MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 2

New Jersey
Puerto Rico
Virgin Islands

Region II

PUBS
RA
981
A2
M43
1987-1989, v.2

U.S. Department of Health and Human Services
Health Care Financing Administration

RA951
.A2
M43
1987-1989
v.2

MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 2

NEW JERSEY
PUERTO RICO
VIRGIN ISLANDS

Region II

LOUIS W. SULLIVAN, M.D.
Secretary
U.S. Department of Health and Human Services

GAIL R. WILENSKY, PH.D.
Administrator
Health Care Financing Administration

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

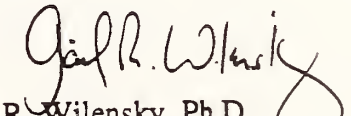
The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement .

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.



Gail R. Wilensky, Ph.D.
Administrator

TABLE OF CONTENTS

Page

INTRODUCTION v

NEW JERSEY

ATLANTIC CITY HOSPITAL 2
BARNERT MEMORIAL HOSPITAL CENTER 4
BAYONNE HOSPITAL 6
BAYSHORE COMMUNITY HOSPITAL 8
BERGEN PINES COUNTY HOSPITAL 10
BETH ISRAEL HOSPITAL 12
BRIDGETON HOSPITAL 14
BURDETE TOMLIN MEMORIAL HOSPITAL 16
CHILTON MEMORIAL HOSPITAL 18
CHRIST HOSPITAL 20
CLARA MAASS MEDICAL CENTER 22
COLUMBUS HOSPITAL 24
COMMUNITY MEMORIAL HOSPITAL 26
COOPER HOSPITAL/UNIV MEDICAL CENTER 28
DEBORAH HEART & LUNG CENTER 30
DOVER GENERAL HOSPITAL 32
EAST ORANGE GENERAL HOSPITAL 34
ELIZABETH GENERAL MEDICAL CENTER 36
ELIZABETH GENERAL MEDICAL CENTER EAST 38
ELMER COMMUNITY HOSPITAL 40
ENGLEWOOD HOSPITAL ASSOCIATION 42
FREEHOLD AREA HOSPITAL 44
GENERAL HOSPITAL CENTER AT PASSAIC 46
GREENVILLE HOSPITAL 48
HACKENSACK MEDICAL CENTER 50
HACKETTSTOWN COMMUNITY HOSPITAL 52
HAMILTON HOSPITAL 54
HELENE FULD MEDICAL CENTER 56
HOLY NAME HOSPITAL 58
HOSPITAL CENTER AT ORANGE 60
HUNTERDON MEDICAL CENTER 62
IRVINGTON GENERAL HOSPITAL 64
JERSEY CITY MEDICAL CENTER 66
JERSEY SHORE MEDICAL CENTER 68
JOHN F KENNEDY MEDICAL CENTER 70
KENNEDY MEM HOSPITAL AT SADDLE BROOK 72
KENNEDY MEM HOSPITAL-UNIVERSITY MED CTR 74
KIMBALL MEDICAL CENTER 76
MEADOWLANDS HOSPITAL MEDICAL CENTER 78
MEDICAL CENTER AT PRINCETON 80
MEMORIAL HOSPITAL-BURLINGTON COUNTY 82
MERCER MEDICAL CENTER 84
MONMOUTH MEDICAL CENTER 86

Page
MONTCLAIR COMMUNITY HOSPITAL 88
MORRISTOWN MEMORIAL HOSPITAL 90
MOUNTAINSIDE HOSPITAL 92
MUHLENBERG HOSPITAL 94
NEWARK BETH ISRAEL MEDICAL CENTER 96
NEWCOMB MEDICAL CENTER 98
NEWTON MEMORIAL HOSPITAL 100
OUR LADY OF LOURDES MEDICAL CENTER 102
OVERLOOK HOSPITAL 104
PALISADES GENERAL HOSPITAL 106
PASCACK VALLEY HOSPITAL 108
RAHWAY MEMORIAL HOSPITAL 110
RARITAN BAY MEDICAL CENTER 112
RIVERVIEW HOSPITAL 114
ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL 116
ROOSEVELT HOSPITAL 118
SALEM COUNTY MEMORIAL HOSPITAL 120
SHORE MEMORIAL HOSPITAL 122
SOMERSET MEDICAL CENTER 124
SOUTH AMBOY MEMORIAL HOSPITAL 126
SOUTH JERSEY HOSPITAL SYSTEM 128
SOUTHERN OCEAN COUNTY HOSPITAL 130
ST BARNABAS MEDICAL CENTER 132
ST CLARES RIVERSIDE MEDICAL CENTER 134
ST ELIZABETH HOSPITAL 136
ST FRANCIS COMMUNITY HEALTH CENTER 138
ST FRANCIS MEDICAL CENTER 140
ST JAMES HOSPITAL 142
ST JOSEPHS HOSPITAL 144
ST MARYS HOSPITAL 146
ST MARYS HOSPITAL 148
ST MARYS HOSPITAL 150
ST MICHAELS MEDICAL CENTER 152
ST PETERS MEDICAL CENTER 154
THE MEDICAL CENTER OF OCEAN COUNTY 156
UNDERWOOD MEMORIAL HOSPITAL 158
UNION HOSPITAL 160
UNITED HOSPITALS OF NEWARK 162
UNIVERSITY HOSPITAL 164
VALLEY HOSPITAL 166
WALLKILL VALLEY GENERAL HOSPITAL 168
WARREN HOSPITAL 170
WAYNE GENERAL HOSPITAL 172
WEST HUDSON HOSPITAL 174
WEST JERSEY HOSPITAL-COMBINED DIVISIONS 176
WILLIAM B KESSLER MEMORIAL HOSPITAL 178
ZURBRUGG MEM HOSPITAL- RANCOCAS VALLEY 180
ZURBRUGG MEMORIAL HOSPITAL 182

PUERTO RICO

Page

AGUADILLA REGIONAL HOSPITAL 186
ARECIBO DISTRICT HOSPITAL 188
ASHFORD MEMORIAL HOSPITAL 190
AUXILIO MUTUO HOSPITAL 192
BELLA VISTA HOSPITAL 194
CAROLINA AREA HOSPITAL 196
CASTANER GENERAL HOSPITAL 198
CAYEY HEALTH CENTER 200
CLINICA DR FERNANDEZ GARCIA 202
CLINICA DR PILA 204
CLINICA ESPANOLA INC 206
CLINICA ONCOLOGICA 208
DE DIEGO HOSPITAL 210
DEL MAESTRO HOSPITAL 212
DOCTORS CENTER HOSPITAL 214
DOCTORS HOSPITAL 216
DR ALEJANDRO OTERO LOPEZ HOSPITAL 218
DR EDUARDO GARRIDO MORALES HOSPITAL 220
DR GUBERNS HOSPITAL 222
DR I GONZALEZ MARTINEZ ONCOLOGY HOSPITAL 224
DR RAMON RUIZ ARNAU BAYAMON REGIONAL 226
FAJARDO SUB REGIONAL HOSPITAL 228
FONT MARTELLO HOSPITAL 230
GUAYAMA AREA HOSPITAL 232
HATO REY COMMUNITY HOSPITAL 234
HOSPITAL DE LA CONCEPCION 236
HOSPITAL DR DOMIQUEZ 238
HOSPITAL DR SUSONI INC 240
HOSPITAL DR TITO MATTEI 242
HOSPITAL HERNANDOS MELENDEZ 244
HOSPITAL INTERAMERICANO DE MEDICINA 246
HOSPITAL MATILDE BRENES 248
HOSPITAL MIMIYA INC 250
HOSPITAL SAN CARLOS BORROMEO 252
HOSPITAL SAN CRISTOBAL 254
HOSPITAL SAN FRANCISCO 256
HOSPITAL SAN RAFAEL 258
HOSPITAL WILMA N VAZQUEZ 260
HOSPTIAL MENONITA DE CAYEY 262
HUMACAO AREA HOSPITAL 264
INSTITUTO OFTALMICO DE PUERTO RICO 266
LAFAYETTE HOSPITAL 268
MAYAGUEZ MEDICAL CENTER 270
MENNONITE GENERAL HOSPITAL INC 272
METROPOLITAN HOSPITAL 274
PAVIA HOSPITAL 276
PONCE DISTRICT HOSPITAL 278
RYDER MEMORIAL HOSPITAL 280

Page
SAN CARLOS GENERAL HOSPITAL 282
SAN GERARDO HOSPITAL 284
SAN GERMAN HEALTH CENTER 286
SAN JORGE HOSPITAL 288
SAN JUAN MUNICIPAL HOSPITAL 290
SAN PABLO HOSPITAL 292
SANTA ROSA CLINIC 294
SANTO ASILO DE DAMAS HOSPITAL 296
ST LUKES EPISCOPAL HOSPITAL 298
UNIVERSITY DISTRICT HOSPITAL 300

VIRGIN ISLANDS

ST CROIX HOSPITAL & COMMUNITY HEALTH CTR 304
ST THOMAS HOSPITAL & COMM HEALTH CTR 306

TECHNICAL APPENDIX A-1

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note than the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in

a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variablity; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variablity rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.

In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.

There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

Total beds (#): Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19___

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1

STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
II	New York	2	New Jersey, Puerto Rico, Virgin Islands
		3	New York
III	Philadelphia	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
		5	Pennsylvania
IV	Atlanta	6	Alabama, Georgia
		7	Florida
		8	Kentucky, Mississippi, South Carolina
		9	North Carolina, Tennessee
V	Chicago	10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

Technical Supplement 25

Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)

Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table 3

COMORBIDITY CONDITIONS
(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

New Jersey

ATLANTIC CITY HOSPITAL

1925 Pacific Ave
Atlantic City, NJ 08401

Medicare Provider Number: 310064

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,861	9.0	10.5	1.8	14.9	15.9	1.5	18.4	20.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	196	20.4	26.1	4.7	28.6	29.6	5.0	32.1	33.0	3.5
Congestive Heart Failure	291	11.0	15.7	2.9	16.5	24.1	3.7	22.3	31.0	3.9
Pneumonia/Influenza	137	22.6	21.6	4.3	34.3	28.7	5.4	35.8	34.0	4.6
Chronic Obstructive Pulmonary Disease	38	10.5	9.0	*	15.8	15.4	*	18.4	21.2	*
Transient Cerebral Ischemia	87	0.0	2.1	2.3	2.3	4.7	3.3	4.6	7.5	5.1
Stroke	165	19.4	22.0	3.9	27.3	29.0	3.9	33.9	33.4	4.1
Hip Fracture	118	4.2	8.3	3.5	9.3	14.5	5.4	13.6	18.6	5.2
Sepsis	29	17.2	30.9	*	27.6	41.2	*	31.0	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	7.7	5.0	*	7.7	9.4	*	11.5	13.0	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	48	2.1	4.6	*	6.3	8.8	*	8.3	11.9	*
Open Reduction of Hip Fracture	68	4.4	8.4	4.2	7.4	15.1	6.8	11.8	19.4	7.5
Prostatectomy	121	0.8	1.5	2.4	4.1	3.5	3.6	8.3	5.9	4.7
Cholecystectomy	46	2.2	3.1	*	4.3	5.4	*	4.3	7.0	*
Hysterectomy	24	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 625
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 224
Percent of Physicians Board Certified Specialists 63
Medical Residents/Interns 28
Registered Nurses 470
Licensed Practical Nurses 110

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ATLANTIC CITY HOSPITAL

Medicare Provider Number: 310064

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,779	10.3	11.2	0.7	16.1	16.7	0.7	20.3	20.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	172	32.0	29.0	4.9	34.3	32.5	4.3	37.2	36.2	3.9
Congestive Heart Failure	289	10.0	16.5	3.2	19.0	24.7	3.1	27.3	31.4	3.1
Pneumonia/Influenza	100	20.0	20.8	4.5	26.0	27.6	5.7	31.0	32.6	5.7
Chronic Obstructive Pulmonary Disease	30	6.7	10.0	*	16.7	17.0	*	30.0	23.0	*
Transient Cerebral Ischemia	73	4.1	2.2	2.6	5.5	4.9	2.9	8.2	7.7	3.2
Stroke	176	25.6	24.6	3.8	30.7	32.1	3.7	34.1	36.9	4.0
Hip Fracture	99	3.0	8.2	3.9	7.1	14.4	5.3	13.1	18.2	4.8
Sepsis	31	32.3	36.8	*	41.9	44.8	*	51.6	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	6.7	7.6	*	10.0	11.4	*	13.3	14.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	60	1.7	4.6	3.3	8.3	8.9	4.1	11.7	11.8	4.2
Open Reduction of Hip Fracture	58	5.2	7.8	4.8	6.9	14.2	7.6	13.8	18.2	6.8
Prostatectomy	125	1.6	1.3	2.1	8.8	3.3	3.2	9.6	5.4	3.1
Cholecystectomy	43	2.3	4.0	*	11.6	7.7	*	11.6	10.4	*
Hysterectomy	18	0.0	0.4	*	0.0	0.9	*	5.6	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,464	10.0	9.6	0.9	15.1	14.7	1.1	19.8	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	155	21.9	26.7	5.7	29.0	30.5	5.1	31.0	33.9	4.8
Congestive Heart Failure	267	13.5	15.9	2.8	21.7	24.4	3.0	31.1	31.3	3.0
Pneumonia/Influenza	109	20.2	16.9	6.5	25.7	22.8	5.5	27.5	27.5	4.9
Chronic Obstructive Pulmonary Disease	39	7.7	9.4	*	15.4	15.1	*	25.6	19.8	*
Transient Cerebral Ischemia	72	0.0	2.1	2.4	4.2	4.4	2.8	6.9	7.0	3.0
Stroke	133	26.3	22.1	5.9	30.8	29.3	4.5	34.6	33.7	4.2
Hip Fracture	100	7.0	6.8	2.5	12.0	12.7	3.4	19.0	16.7	4.4
Sepsis	23	47.8	31.1	*	47.8	38.0	*	56.5	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	0.0	4.2	*	3.1	7.7	*	9.4	10.7	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.0	*	0.0	4.2	*
Hip Replacement/Reconstruction	54	3.7	4.8	3.0	9.3	9.1	3.9	13.0	12.2	5.8
Open Reduction of Hip Fracture	52	0.0	5.4	6.6	3.8	10.6	9.1	11.5	14.4	7.5
Prostatectomy	112	2.7	1.6	1.6	7.1	3.9	3.2	8.9	6.5	3.2
Cholecystectomy	50	2.0	3.5	*	8.0	6.4	*	10.0	8.6	*
Hysterectomy	14	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BARNERT MEMORIAL HOSPITAL CENTER

680 Broadway
Paterson, NJ 07514

Medicare Provider Number: 310026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,139	7.1	7.8	1.0	11.2	12.1	1.3	15.1	15.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	27.5	*	21.4	31.1	*	35.7	34.5	*
Congestive Heart Failure	77	13.0	13.1	4.3	23.4	20.1	7.2	29.9	26.3	6.8
Pneumonia/Influenza	45	24.4	16.1	*	26.7	21.9	*	33.3	26.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	25.7	*	0.0	32.3	*	25.0	35.5	*
Transient Cerebral Ischemia	21	0.0	2.1	*	0.0	4.5	*	4.8	7.1	*
Stroke	52	13.5	20.0	6.3	21.2	27.1	6.8	34.6	31.6	6.6
Hip Fracture	28	0.0	6.2	*	3.6	11.0	*	10.7	14.1	*
Sepsis	7	14.3	41.9	*	28.6	48.6	*	28.6	55.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.8	*	11.1	4.2	*	11.1	7.0	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	10	0.0	3.7	*	0.0	6.7	*	0.0	8.8	*
Open Reduction of Hip Fracture	17	0.0	5.2	*	0.0	9.7	*	11.8	12.8	*
Prostatectomy	23	0.0	0.9	*	0.0	2.3	*	8.7	3.8	*
Cholecystectomy	21	9.5	4.5	*	9.5	7.7	*	14.3	9.9	*
Hysterectomy	5	20.0	0.6	*	20.0	1.2	*	20.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	226
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	183
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	143
Licensed Practical Nurses	32

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BARNERT MEMORIAL HOSPITAL CENTER

Medicare Provider Number: 310026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,245	8.3	8.4	0.9	12.6	12.7	1.0	16.4	16.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	34.1	*	32.0	37.3	*	32.0	40.8	*
Congestive Heart Failure	83	12.0	15.3	5.8	14.5	23.4	7.5	21.7	30.1	8.9
Pneumonia/Influenza	36	25.0	19.5	*	30.6	26.0	*	30.6	30.9	*
Chronic Obstructive Pulmonary Disease	7	0.0	5.5	*	0.0	9.6	*	0.0	13.3	*
Transient Cerebral Ischemia	20	0.0	2.1	*	5.0	4.3	*	10.0	6.7	*
Stroke	56	25.0	23.0	6.5	32.1	30.1	6.4	39.3	34.9	8.6
Hip Fracture	17	23.5	6.9	*	23.5	12.4	*	23.5	16.0	*
Sepsis	5	60.0	32.6	*	60.0	38.3	*	60.0	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	4.9	*	17.6	9.0	*	29.4	12.5	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	17	5.9	1.8	*	5.9	3.6	*	5.9	5.0	*
Open Reduction of Hip Fracture	8	12.5	6.4	*	12.5	11.4	*	12.5	14.5	*
Prostatectomy	35	0.0	1.4	*	2.9	3.4	*	2.9	5.7	*
Cholecystectomy	14	14.3	7.7	*	14.3	13.3	*	14.3	16.3	*
Hysterectomy	6	16.7	1.0	*	16.7	2.3	*	16.7	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,200	8.5	8.7	1.1	13.5	13.2	1.1	16.7	16.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	32.1	*	33.3	35.1	*	36.7	38.3	*
Congestive Heart Failure	80	22.5	15.2	8.7	30.0	22.7	10.0	35.0	29.0	8.3
Pneumonia/Influenza	51	15.7	22.1	6.9	27.5	28.9	7.4	27.5	34.1	7.9
Chronic Obstructive Pulmonary Disease	5	0.0	11.0	*	0.0	17.6	*	20.0	22.8	*
Transient Cerebral Ischemia	34	8.8	2.3	*	11.8	5.0	*	20.6	8.0	*
Stroke	61	16.4	23.3	9.5	24.6	31.0	8.9	31.1	35.8	8.7
Hip Fracture	22	4.5	5.5	*	9.1	10.0	*	9.1	13.1	*
Sepsis	6	33.3	21.2	*	50.0	28.2	*	50.0	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	4.4	*	15.4	8.3	*	30.8	11.7	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	9	0.0	2.2	*	0.0	4.7	*	0.0	6.8	*
Open Reduction of Hip Fracture	15	6.7	5.4	*	13.3	10.4	*	13.3	13.8	*
Prostatectomy	48	0.0	0.9	*	2.1	2.0	*	4.2	3.3	*
Cholecystectomy	14	0.0	3.2	*	0.0	5.2	*	0.0	6.5	*
Hysterectomy	4	0.0	0.2	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BAYONNE HOSPITAL

29 East 29th St
Bayonne, NJ 07002

Medicare Provider Number: 310025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,515	8.1	9.4	2.1	13.3	14.6	2.9	16.5	18.6	4.1
CONDITIONS:										
Acute Myocardial Infarction	64	26.6	29.9	6.6	34.4	33.5	6.7	39.1	37.1	6.3
Congestive Heart Failure	178	12.4	17.0	3.8	25.3	26.3	4.4	30.3	33.6	3.8
Pneumonia/Influenza	89	16.9	17.2	4.0	22.5	23.2	4.5	22.5	27.9	7.1
Chronic Obstructive Pulmonary Disease	68	4.4	10.3	5.4	8.8	16.1	6.3	14.7	21.0	6.4
Transient Cerebral Ischemia	60	1.7	1.8	2.1	5.0	3.8	2.7	5.0	6.0	3.3
Stroke	96	16.7	19.3	4.6	26.0	25.9	5.1	31.2	30.2	5.7
Hip Fracture	48	8.3	6.3	*	14.6	11.3	*	18.7	14.7	*
Sepsis	27	29.6	25.8	*	40.7	34.9	*	51.9	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	3.9	*	14.3	7.3	*	28.6	10.3	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	15	13.3	5.5	*	20.0	10.8	*	20.0	14.7	*
Open Reduction of Hip Fracture	31	6.5	6.0	*	9.7	11.0	*	16.1	14.3	*
Prostatectomy	79	0.0	0.8	1.2	2.5	1.9	1.6	3.8	3.3	2.0
Cholecystectomy	30	6.7	3.2	*	6.7	5.8	*	6.7	7.4	*
Hysterectomy	15	0.0	1.1	*	0.0	2.6	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	299
Occupancy Rate	88
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	129
Percent of Physicians Board Certified Specialists	57
Medical Residents/Interns	0
Registered Nurses	226
Licensed Practical Nurses	96

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BAYONNE HOSPITAL

Medicare Provider Number: 310025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,545	7.2	9.5	1.1	13.6	14.8	0.8	17.3	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	82	40.2	32.5	6.3	48.8	36.0	7.5	50.0	39.5	6.9
Congestive Heart Failure	155	8.4	16.4	4.3	22.6	25.2	4.6	28.4	32.3	4.5
Pneumonia/Influenza	84	13.1	17.1	5.7	26.2	23.5	6.3	32.1	28.3	7.2
Chronic Obstructive Pulmonary Disease	53	9.4	12.3	6.4	13.2	19.6	10.1	18.9	25.2	12.4
Transient Cerebral Ischemia	78	1.3	1.9	2.1	5.1	4.3	2.4	5.1	6.7	3.5
Stroke	111	11.7	20.9	7.0	20.7	28.0	6.8	25.2	32.6	6.6
Hip Fracture	52	1.9	8.2	5.6	7.7	14.1	7.5	9.6	17.6	7.7
Sepsis	11	27.3	31.2	*	54.5	43.8	*	63.6	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	10.8	*	28.6	14.4	*	28.6	17.6	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Hip Replacement/Reconstruction	19	0.0	5.8	*	5.3	10.9	*	10.5	14.0	*
Open Reduction of Hip Fracture	31	0.0	7.6	*	6.5	13.7	*	6.5	17.4	*
Prostatectomy	80	0.0	1.1	1.6	0.0	2.6	2.9	2.5	4.2	2.6
Cholecystectomy	56	1.8	2.9	3.0	1.8	5.2	4.4	1.8	6.9	5.3
Hysterectomy	11	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,376	7.3	9.0	1.5	13.2	14.0	0.9	17.8	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	65	27.7	28.9	7.0	33.8	31.8	6.6	38.5	34.9	6.6
Congestive Heart Failure	165	12.1	17.5	5.3	21.2	26.6	5.7	29.1	34.0	5.2
Pneumonia/Influenza	80	10.0	18.8	5.7	23.7	25.2	5.4	30.0	30.3	5.8
Chronic Obstructive Pulmonary Disease	46	10.9	16.6	*	32.6	25.3	*	39.1	31.4	*
Transient Cerebral Ischemia	75	0.0	1.8	*	0.0	3.8	*	1.3	5.9	*
Stroke	86	9.3	20.6	6.1	19.8	27.5	6.0	25.6	32.0	5.7
Hip Fracture	46	2.2	7.0	*	8.7	12.2	*	17.4	15.6	*
Sepsis	8	0.0	20.9	*	12.5	31.2	*	12.5	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	4.4	*	5.9	8.6	*	5.9	12.1	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	16	0.0	5.5	*	6.3	10.9	*	6.3	14.8	*
Open Reduction of Hip Fracture	29	3.4	6.2	*	10.3	11.1	*	17.2	14.2	*
Prostatectomy	70	0.0	0.9	2.8	2.9	2.2	3.4	5.7	3.7	3.9
Cholecystectomy	31	0.0	2.3	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	13	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

7.1

BAYONNE HOSPITAL
29 East Twenty Ninth Street
Bayonne, New Jersey 07002
201 858-5000

310025

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to comment on the HCFA Medicare mortality data for Bayonne Hospital (310025) prior to its release to the public.

We would like to reiterate your statement which applies to certain categories. From a statistical point of view, "the precision and interpretability of our estimates are questionable when there are no deaths or 50 or fewer cases in a particular category being analyzed." The mortality rates of hip fracture, sepsis, initial pacemaker insertion, carotid endartectomy, hip replacement/reconstruction, open reduction of hip fracture, cholecystectomy, and hysterectomy for Bayonne Hospital are for small numbers of cases and therefore cannot be validated statistically.

In addition, it is difficult to draw conclusions regarding mortality rates related to hospitalization for patients who die 90 and 180 days after admission. There may be and probably are many factors related to age and disease processes which were not evident at the time of hospitalization which contributed to deaths 3 and 6 months later. While this information may raise questions regarding post-hospital care, we do not think it is meaningful related to care in the hospital.

We would like to re-emphasize our comment from prior years that this data alone cannot demonstrate the quality of care provided by any hospital. The HCFA mortality data is only one of many indicators that can be used to evaluate a hospital's quality of care.

Sincerely,

Eugene Greenan
Acting Chief Operating Officer

BAYSHORE COMMUNITY HOSPITAL

727 N Beers St
Holmdel, NJ 07733

Medicare Provider Number: 310112

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,068	11.2	10.6	0.9	16.7	15.6	1.0	20.3	19.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	81	29.6	33.1	5.5	37.0	36.3	5.4	38.3	39.8	5.8
Congestive Heart Failure	132	16.7	15.1	3.8	27.3	23.2	6.5	32.6	29.8	5.7
Pneumonia/Influenza	106	22.6	18.3	7.9	29.2	24.5	7.4	33.0	29.4	7.6
Chronic Obstructive Pulmonary Disease	52	7.7	11.5	6.1	13.5	18.1	6.1	21.2	23.5	6.1
Transient Cerebral Ischemia	63	0.0	1.9	2.2	1.6	4.2	2.9	1.6	6.7	4.2
Stroke	82	20.7	20.4	4.5	24.4	26.8	5.4	31.7	31.3	5.2
Hip Fracture	59	6.8	7.2	5.3	18.6	12.6	7.4	20.3	16.2	7.8
Sepsis	37	24.3	30.5	*	29.7	39.6	*	37.8	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.9	*	6.7	10.8	*	6.7	16.1	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction	23	17.4	6.5	*	21.7	10.3	*	21.7	12.8	*
Open Reduction of Hip Fracture	34	0.0	7.2	*	14.7	13.3	*	17.6	17.4	*
Prostatectomy	73	1.4	1.1	1.5	1.4	2.6	2.0	1.4	4.2	2.9
Cholecystectomy	15	0.0	2.7	*	0.0	4.6	*	0.0	5.7	*
Hysterectomy	16	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	218
Occupancy Rate	87
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	166
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	159
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BAYSHORE COMMUNITY HOSPITAL

Medicare Provider Number: 310112

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,000	10.4	10.0	0.7	17.2	15.1	1.2	20.7	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	50	28.0	29.0	*	36.0	32.4	*	40.0	35.9	*
Congestive Heart Failure	128	19.5	17.4	4.5	33.6	26.6	8.0	39.8	33.9	7.8
Pneumonia/Influenza	68	17.6	18.0	5.1	25.0	24.3	6.4	27.9	29.1	6.1
Chronic Obstructive Pulmonary Disease	52	19.2	10.9	8.0	28.8	18.5	9.8	32.7	24.1	9.1
Transient Cerebral Ischemia	56	3.6	2.4	2.2	8.9	5.1	4.3	14.3	8.1	6.4
Stroke	87	29.9	23.1	8.3	44.8	29.7	7.9	48.3	34.5	7.5
Hip Fracture	57	3.5	7.4	4.6	17.5	12.8	5.3	21.1	16.2	5.9
Sepsis	26	23.1	31.1	*	30.8	38.9	*	34.6	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	9.8	*	20.0	14.0	*	26.7	17.9	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.8	*	0.0	5.7	*
Hip Replacement/Reconstruction	19	5.3	5.1	*	5.3	9.5	*	10.5	12.4	*
Open Reduction of Hip Fracture	41	4.9	6.5	*	22.0	12.0	*	24.4	15.4	*
Prostatectomy	84	0.0	1.2	1.6	1.2	3.0	2.4	3.6	5.0	2.8
Cholecystectomy	33	0.0	2.0	*	0.0	3.5	*	0.0	4.5	*
Hysterectomy	7	0.0	1.4	*	0.0	3.3	*	0.0	5.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,875	11.4	11.0	0.9	18.3	16.6	1.4	23.5	21.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	72	22.2	29.4	9.0	31.9	32.5	8.0	33.3	35.9	6.4
Congestive Heart Failure	157	23.6	17.0	4.5	35.0	25.9	5.9	42.0	33.3	5.7
Pneumonia/Influenza	85	25.9	17.5	5.0	36.5	23.1	6.4	43.5	27.7	7.1
Chronic Obstructive Pulmonary Disease	72	13.9	13.6	4.9	20.8	21.5	5.0	29.2	27.2	6.4
Transient Cerebral Ischemia	47	2.1	2.3	*	12.8	4.9	*	17.0	7.7	*
Stroke	78	16.7	22.3	9.7	23.1	28.8	8.8	30.8	33.4	7.4
Hip Fracture	43	4.7	7.7	*	11.6	13.4	*	11.6	17.0	*
Sepsis	10	20.0	33.3	*	30.0	38.8	*	40.0	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.0	*	5.9	7.6	*	11.8	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	5.7	*	9.1	11.0	*	13.6	14.8	*
Open Reduction of Hip Fracture	23	4.3	6.9	*	8.7	12.3	*	8.7	15.7	*
Prostatectomy	60	0.0	1.6	2.1	3.3	3.9	2.8	5.0	6.4	3.8
Cholecystectomy	33	3.0	2.7	*	9.1	4.9	*	9.1	6.5	*
Hysterectomy	6	0.0	0.9	*	0.0	2.1	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

9.1

Bayshore Community Hospital
727 North Beers Street
Holmdel, New Jersey 07733
(201) 739-5900

January 11, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Wilensky:

I wish to thank you for the opportunity to comment on your hospital-specific mortality data planned for release in early Spring 1991.

Let me first express Bayshore Community Hospital's strong belief that the public has a right to receive legitimate information concerning quality of health care being rendered by both individual hospitals and physicians. We do not, however, believe that HCFA's data represents "legitimate" information relative to quality; although your intentions may not be as such, implicit in your statistical methods is the assumption that predicted mortality rates should be taken as normative. Consequently, users of the data may conclude that quality problems exist where in fact they do not, or vice-versa.

There exist a grave danger that this data may be read by the public as implying that the publication of hospital mortality statistics will provide a consumer guide to hospital performance when in fact this information provides no valid indication of hospital quality. Of key importance is that this model does not measure all or even close to all patient characteristics that can affect the hospital's mortality rate.

At the very best, the HCFA data only serves to provide hospitals with information indicating areas that may require further study. Bayshore Community Hospital has had in place for many years a system for quality reviews. Included in this hospital-wide program is peer evaluations where physicians review physicians for a number of areas ranging from necessity of surgical intervention to advisability of a particular chosen antibiotic therapy. All hospital mortalities are reviewed by committees composed of physicians. The results of all these reviews are reported on a monthly basis to an executive committee of the medical staff, who in turn report their findings and actions to the Board of Trustees of the hospital.

We feel strongly that the public be cautioned that this data does not provide in any way an index to hospital performance. The issuance of data under the misnomer of "public information" for purposes of gauging quality of care is a disservice to that same public and to the hospitals and medical personnel who provide such care.

Sincerely,

Thomas Goldman
President

BERGEN PINES COUNTY HOSPITAL

East Ridgewood Ave
Paramus, NJ 07652

Medicare Provider Number: 310058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	654	13.5	12.2	1.7	20.5	18.3	2.3	26.0	22.8	3.2
CONDITIONS:										
Acute Myocardial Infarction	13	46.2	40.6	*	61.5	44.7	*	61.5	48.7	*
Congestive Heart Failure	25	28.0	18.4	*	44.0	27.6	*	56.0	34.9	*
Pneumonia/Influenza	42	21.4	22.4	*	28.6	30.8	*	33.3	36.4	*
Chronic Obstructive Pulmonary Disease	12	0.0	9.9	*	8.3	17.7	*	33.3	23.8	*
Transient Cerebral Ischemia	5	0.0	1.8	*	0.0	3.9	*	0.0	6.4	*
Stroke	12	0.0	18.8	*	25.0	25.3	*	33.3	29.9	*
Hip Fracture	8	12.5	7.1	*	37.5	13.1	*	50.0	17.2	*
Sepsis	12	58.3	25.0	*	58.3	34.0	*	58.3	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	66.7	15.9	*	66.7	22.6	*	66.7	26.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	5.9	*	75.0	11.5	*	75.0	15.4	*
Open Reduction of Hip Fracture	4	0.0	6.9	*	0.0	13.1	*	25.0	17.5	*
Prostatectomy	9	0.0	1.7	*	11.1	4.1	*	11.1	6.7	*
Cholecystectomy	2	0.0	2.7	*	50.0	4.9	*	50.0	6.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 1,045
Occupancy Rate 82
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 121
Percent of Physicians Board Certified Specialists 57
Medical Residents/Interns 19
Registered Nurses 372
Licensed Practical Nurses 96

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BERGEN PINES COUNTY HOSPITAL

Medicare Provider Number: 310058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	762	11.3	10.2	1.2	18.6	15.7	2.0	23.5	20.0	2.3
CONDITIONS:										
Acute Myocardial Infarction	14	57.1	42.5	*	71.4	48.5	*	78.6	53.2	*
Congestive Heart Failure	31	16.1	18.5	*	32.3	27.2	*	45.2	34.4	*
Pneumonia/Influenza	43	25.6	19.6	*	27.9	26.1	*	32.6	31.0	*
Chronic Obstructive Pulmonary Disease	6	0.0	11.5	*	33.3	19.8	*	33.3	26.5	*
Transient Cerebral Ischemia	4	0.0	3.2	*	0.0	6.9	*	0.0	10.9	*
Stroke	16	43.8	25.7	*	62.5	33.9	*	62.5	39.1	*
Hip Fracture	14	0.0	7.3	*	0.0	13.2	*	14.3	16.8	*
Sepsis	3	100.0	23.4	*	100.0	32.2	*	100.0	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.4	*	0.0	12.9	*	0.0	19.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.1	*	0.0	6.2	*	0.0	8.8	*
Open Reduction of Hip Fracture	10	0.0	7.4	*	0.0	13.9	*	20.0	18.1	*
Prostatectomy	7	0.0	1.8	*	0.0	4.6	*	0.0	7.8	*
Cholecystectomy	4	0.0	2.7	*	0.0	6.5	*	0.0	11.0	*
Hysterectomy	1	0.0	1.3	*	0.0	2.7	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	859	11.6	8.0	3.2	18.0	12.7	5.5	22.2	16.6	6.3
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	29.6	*	50.0	33.3	*	50.0	37.7	*
Congestive Heart Failure	22	13.6	22.0	*	31.8	31.4	*	40.9	38.6	*
Pneumonia/Influenza	45	35.6	19.0	*	46.7	25.8	*	53.3	31.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	12.9	*	16.7	22.5	*	16.7	29.9	*
Transient Cerebral Ischemia	4	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	8	12.5	24.5	*	37.5	32.3	*	62.5	37.6	*
Hip Fracture	12	16.7	5.6	*	25.0	10.5	*	25.0	14.0	*
Sepsis	7	71.4	29.8	*	71.4	38.9	*	85.7	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	9.4	*	0.0	20.2	*	100.0	29.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.4	*	20.0	10.3	*	20.0	13.6	*
Open Reduction of Hip Fracture	8	12.5	3.7	*	12.5	7.3	*	12.5	10.1	*
Prostatectomy	5	0.0	2.4	*	0.0	6.5	*	0.0	11.7	*
Cholecystectomy	5	0.0	5.0	*	0.0	9.0	*	20.0	11.6	*
Hysterectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BETH ISRAEL HOSPITAL

70 Parker Ave
Passaic, NJ 07055

Medicare Provider Number: 310020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,567	10.6	11.0	1.5	17.3	17.5	1.0	21.8	22.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	42	35.7	31.0	*	38.1	34.3	*	45.2	37.8	*
Congestive Heart Failure	85	14.1	15.9	4.7	22.4	24.5	5.4	22.4	31.6	9.4
Pneumonia/Influenza	45	22.2	24.8	*	26.7	33.0	*	33.3	38.7	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.1	*	16.7	13.8	*	16.7	21.0	*
Transient Cerebral Ischemia	26	3.8	2.0	*	7.7	4.5	*	11.5	7.3	*
Stroke	78	11.5	20.2	10.0	19.2	27.5	10.7	24.4	32.1	10.2
Hip Fracture	36	0.0	8.2	*	19.4	15.1	*	25.0	19.9	*
Sepsis	12	25.0	29.8	*	25.0	38.8	*	41.7	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.3	*	16.7	11.7	*	16.7	16.0	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.1	*	0.0	3.3	*
Hip Replacement/Reconstruction	10	0.0	7.0	*	30.0	14.0	*	30.0	19.2	*
Open Reduction of Hip Fracture	21	0.0	7.7	*	9.5	14.9	*	14.3	20.1	*
Prostatectomy	46	2.2	2.3	*	4.3	5.1	*	6.5	7.7	*
Cholecystectomy	23	4.3	5.5	*	8.7	9.3	*	13.0	11.6	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	223
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	201
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	108
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BETH ISRAEL HOSPITAL

Medicare Provider Number: 310020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,636	10.3	11.1	0.9	18.3	17.6	1.1	23.7	22.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	45	35.6	27.3	*	46.7	31.0	*	48.9	34.4	*
Congestive Heart Failure	87	18.4	16.7	4.3	28.7	25.2	6.1	35.6	32.0	6.0
Pneumonia/Influenza	53	22.6	26.6	8.8	34.0	34.5	7.8	43.4	40.1	7.5
Chronic Obstructive Pulmonary Disease	23	4.3	9.0	*	13.0	16.6	*	30.4	22.5	*
Transient Cerebral Ischemia	40	5.0	2.4	*	7.5	5.3	*	7.5	8.2	*
Stroke	78	23.1	20.6	5.0	29.5	27.4	6.5	38.5	32.0	9.6
Hip Fracture	43	9.3	9.7	*	30.2	17.8	*	32.6	23.0	*
Sepsis	15	20.0	32.2	*	33.3	42.5	*	40.0	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	13.3	*	20.0	22.0	*	20.0	27.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	11.1	6.6	*	38.9	12.6	*	38.9	16.5	*
Open Reduction of Hip Fracture	24	8.3	9.6	*	25.0	18.8	*	29.2	25.1	*
Prostatectomy	67	1.5	2.2	1.9	6.0	5.2	2.8	9.0	8.2	3.5
Cholecystectomy	32	0.0	4.1	*	6.3	7.3	*	6.3	9.4	*
Hysterectomy	6	0.0	2.0	*	0.0	4.3	*	0.0	6.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,586	12.0	11.2	1.5	17.5	17.5	1.7	21.8	22.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	40	60.0	34.0	*	60.0	38.0	*	60.0	41.8	*
Congestive Heart Failure	82	24.4	19.9	6.9	34.1	30.1	9.7	43.9	38.0	9.7
Pneumonia/Influenza	56	17.9	25.6	11.6	25.0	32.7	11.5	32.1	38.3	9.7
Chronic Obstructive Pulmonary Disease	25	8.0	11.2	*	20.0	19.0	*	20.0	25.0	*
Transient Cerebral Ischemia	27	3.7	2.3	*	3.7	5.0	*	3.7	7.8	*
Stroke	71	22.5	22.3	5.0	28.2	29.6	5.9	31.0	34.3	7.9
Hip Fracture	31	0.0	7.6	*	6.5	13.4	*	6.5	17.2	*
Sepsis	14	28.6	28.7	*	42.9	38.9	*	42.9	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	5.3	*	15.4	8.5	*	15.4	11.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	6.1	*	0.0	11.8	*	12.5	15.6	*
Open Reduction of Hip Fracture	20	0.0	6.3	*	5.0	11.9	*	5.0	15.8	*
Prostatectomy	66	1.5	1.6	1.7	6.1	3.9	3.9	7.6	6.4	3.7
Cholecystectomy	28	3.6	3.9	*	7.1	7.3	*	7.1	9.8	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BRIDGETON HOSPITAL

Irving & Magnolia Aves
Bridgeton, NJ 08302

Medicare Provider Number: 310068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,408	8.4	8.2	1.5	12.9	12.8	1.9	16.4	16.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	27.3	*	25.6	30.6	*	25.6	33.9	*
Congestive Heart Failure	70	8.6	14.2	6.0	18.6	21.6	6.3	22.9	27.7	6.0
Pneumonia/Influenza	50	22.0	15.6	*	24.0	21.3	*	32.0	25.8	*
Chronic Obstructive Pulmonary Disease	15	13.3	7.1	*	20.0	12.8	*	26.7	18.2	*
Transient Cerebral Ischemia	25	4.0	1.5	*	8.0	3.3	*	8.0	5.3	*
Stroke	47	6.4	16.3	*	12.8	22.2	*	17.0	26.1	*
Hip Fracture	29	13.8	8.5	*	13.8	14.8	*	17.2	18.9	*
Sepsis	10	30.0	19.8	*	40.0	28.2	*	50.0	34.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.4	*	10.0	6.2	*	10.0	8.6	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	14	14.3	4.9	*	14.3	9.2	*	21.4	12.1	*
Open Reduction of Hip Fracture	21	9.5	7.5	*	9.5	13.7	*	9.5	17.6	*
Prostatectomy	20	0.0	1.1	*	0.0	2.6	*	0.0	4.4	*
Cholecystectomy	33	0.0	2.3	*	0.0	4.3	*	6.1	5.6	*
Hysterectomy	7	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds 228
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 101
Licensed Practical Nurses 73

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

BRIDGETON HOSPITAL

Medicare Provider Number: 310068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,370	9.6	8.4	0.9	15.8	12.9	1.2	20.4	16.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	26.8	*	30.8	29.4	*	33.3	32.4	*
Congestive Heart Failure	56	19.6	16.9	5.4	30.4	25.7	6.7	32.1	32.8	6.8
Pneumonia/Influenza	41	19.5	16.3	*	26.8	21.7	*	34.1	26.0	*
Chronic Obstructive Pulmonary Disease	11	9.1	7.4	*	18.2	12.3	*	18.2	16.7	*
Transient Cerebral Ischemia	28	0.0	2.0	*	0.0	4.3	*	3.6	6.8	*
Stroke	60	23.3	19.8	9.7	33.3	27.0	10.3	38.3	31.6	13.0
Hip Fracture	22	0.0	6.6	*	9.1	12.0	*	9.1	15.4	*
Sepsis	10	60.0	38.7	*	80.0	47.8	*	90.0	55.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	18.2	*	28.6	22.7	*	28.6	26.7	*
Carotid Endarterectomy	1	0.0	1.9	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	14	14.3	2.6	*	14.3	5.0	*	14.3	6.8	*
Open Reduction of Hip Fracture	12	0.0	6.5	*	16.7	12.4	*	16.7	16.3	*
Prostatectomy	23	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy	33	3.0	2.6	*	6.1	4.8	*	6.1	6.4	*
Hysterectomy	10	0.0	1.7	*	0.0	3.4	*	10.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,374	10.0	9.0	1.1	15.4	13.9	1.3	19.2	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	43	23.3	25.9	*	30.2	28.8	*	32.6	31.9	*
Congestive Heart Failure	80	18.8	15.5	5.1	25.0	23.5	5.4	35.0	30.2	7.3
Pneumonia/Influenza	54	24.1	20.7	6.4	33.3	27.9	8.5	38.9	33.4	10.8
Chronic Obstructive Pulmonary Disease	18	16.7	12.2	*	22.2	19.3	*	38.9	24.6	*
Transient Cerebral Ischemia	26	3.8	2.0	*	3.8	4.4	*	3.8	6.8	*
Stroke	56	19.6	20.0	5.8	32.1	27.3	8.1	35.7	31.7	9.1
Hip Fracture	19	0.0	5.9	*	0.0	10.5	*	0.0	13.6	*
Sepsis	7	28.6	33.9	*	28.6	44.3	*	42.9	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.1	*	0.0	6.3	*	0.0	9.0	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	12	0.0	3.0	*	0.0	5.9	*	0.0	8.0	*
Open Reduction of Hip Fracture	14	0.0	5.4	*	0.0	10.0	*	0.0	13.0	*
Prostatectomy	23	4.3	1.5	*	8.7	3.6	*	17.4	6.0	*
Cholecystectomy	32	0.0	3.7	*	6.3	6.4	*	6.3	8.2	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH JERSEY HOSPITAL SYSTEM
IRVING AVENUE
BRIDGETON, NEW JERSEY 08302
(609) 451-6600

PAUL S. COOPER
President and
Chief Executive Officer

January 15, 1991

Health Care Financing Authority
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Medicare Provider #:
310068 (Bridgeton)

Dear Ms Kappert:

Thank you for the opportunity to comment on the Medicare Hospital Mortality Information. Our comments concern data for both Divisions of South Jersey Hospital System: Millville and Bridgeton Divisions.

For all conditions and procedures, with the exception of congestive heart failure, the number of cases is too small to permit thorough evaluation. However, we have reviewed data associated with several of these categories and have the following comments:

Millville Division

Acute Myocardial Infarction: A review of deaths shows that all cases either were in cardiogenic shock or status post cardiac arrest. These cases were well distributed among seven (7) physicians with no significant trends.

TIA: Of the two patients who died, TIA was the admitting diagnosis but not the final diagnosis. Both were complex cardiac patients.

Carotid Endarterectomy: One patient who died within 90 days had surgery and was discharged from the hospital following surgery. It was noted that the patient had complex vascular and cardiac disease. The death was not directly related to the surgery but rather to the patient's complex disease.

Prostatectomy: Three patients expired. None were directly related to the procedure. One patient had metastatic cancer involving both the prostate and colon.

Bridgeton Division

Pneumonia: Eleven of the sixteen patients who died were admissions from a nursing home. Although six of the patients were diagnosed as pneumonia on a previous admission, the diagnoses for the admission associated with their death were due to following: subdural hematoma, malignancy, GI hemorrhage, drug withdrawal and UTI.

Chronic Obstructive Lung Disease: Of the 4 deaths, three died of other than COPD. Again, all 4 died during admissions subsequent to the admission when they were diagnosed as COPD. One had a cardiac arrest in the emergency room, one had septicemia, and one had cancer of the lung.

Sepsis: Three of the five people who died had End Stage Renal Disease with complex medical problems.

The one diagnosis with sufficient volume to allow for statistical significance is Congestive Heart Failure. Bridgeton falls well below the predicted mortality rate. Although the Millville rate is slightly higher than the predicted rate, they are well within one standard deviation of the expected rate using HCFA's formula, thus minimizing the significance of the difference. Preliminary review shows care rendered was appropriate.

An observation we made during our review of the report is as follows: multiple admissions during the reporting period frequently place a patient into a diagnostic or procedural category that does not accurately reflect the cause of death. If the data could be adjusted to reflect the actual cause of death on subsequent admissions we believe the report would be more meaningful.

Because both divisions serve as regional service sites, Bridgeton for ESRD and Millville for cancer patients, the mortality data needs to be reviewed with this information in mind.

We appreciate the opportunity to respond to the report. Our staff will continue to monitor deaths through our Quality Improvement Programs, along with other important indicators of quality.

Sincerely,

Paul S. Cooper
President

psc/ccb

BURDETE TOMLIN MEMORIAL HOSPITAL

Rt 9 Stone Harbor Blvd
Cape May Court House, NJ 08

Medicare Provider Number: 310011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,601	12.0	10.9	0.9	17.8	16.1	0.9	21.6	20.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	73	28.8	25.8	5.2	38.4	28.8	5.8	46.6	32.0	6.6
Congestive Heart Failure	187	17.1	15.3	3.0	24.6	23.5	3.2	29.9	30.2	3.4
Pneumonia/Influenza	109	18.3	17.9	3.8	22.0	24.1	4.7	23.9	28.9	7.4
Chronic Obstructive Pulmonary Disease	41	17.1	10.1	*	26.8	16.2	*	29.3	21.2	*
Transient Cerebral Ischemia	58	0.0	2.0	2.8	0.0	4.5	5.3	5.2	7.2	4.1
Stroke	136	19.9	20.0	3.7	29.4	27.4	4.2	33.1	31.9	4.3
Hip Fracture	59	6.8	6.9	4.6	16.9	11.9	6.8	16.9	15.2	7.9
Sepsis	62	43.5	38.1	7.1	51.6	44.8	7.7	54.8	51.2	8.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.0	*	0.0	8.0	*	0.0	11.7	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	39	5.1	5.3	*	10.3	9.2	*	12.8	12.1	*
Open Reduction of Hip Fracture	33	6.1	6.6	*	15.2	11.8	*	15.2	15.1	*
Prostatectomy	107	0.0	1.5	1.7	0.9	3.3	2.9	2.8	5.5	4.1
Cholecystectomy	46	2.2	4.9	*	4.3	9.1	*	4.3	12.0	*
Hysterectomy	6	0.0	1.0	*	0.0	2.2	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 214
Occupancy Rate ..... (Not Available)
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 138
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 199
Licensed Practical Nurses 65

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

BURDETE TOMLIN MEMORIAL HOSPITAL

Medicare Provider Number: 310011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,340	10.1	10.2	0.6	15.8	15.1	0.9	18.9	19.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	97	27.8	24.8	5.5	32.0	28.1	5.6	32.0	31.5	4.7
Congestive Heart Failure	171	18.1	16.5	4.7	28.7	25.0	6.5	35.1	31.9	6.0
Pneumonia/Influenza	85	14.1	19.2	5.7	25.9	25.4	4.7	30.6	30.3	5.1
Chronic Obstructive Pulmonary Disease	41	7.3	9.4	*	12.2	15.0	*	22.0	19.7	*
Transient Cerebral Ischemia	48	0.0	1.9	*	4.2	4.2	*	4.2	6.6	*
Stroke	109	22.9	20.8	7.0	33.0	28.0	8.1	35.8	32.6	7.8
Hip Fracture	65	7.7	7.8	3.3	13.8	13.8	5.1	20.0	17.4	5.9
Sepsis	30	16.7	35.1	*	23.3	41.6	*	30.0	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.2	*	0.0	5.5	*	0.0	7.7	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	43	4.7	3.9	*	11.6	7.4	*	14.0	9.6	*
Open Reduction of Hip Fracture	31	6.5	7.5	*	9.7	13.9	*	19.4	17.9	*
Prostatectomy	87	1.1	1.7	2.7	5.7	4.1	3.7	8.0	6.7	5.2
Cholecystectomy	50	2.0	4.0	*	6.0	6.8	*	8.0	8.6	*
Hysterectomy	10	0.0	1.6	*	0.0	3.4	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,403	11.3	11.4	0.7	17.7	16.6	1.5	21.4	20.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	122	27.0	22.4	7.1	29.5	25.7	6.4	32.0	28.9	5.4
Congestive Heart Failure	169	15.4	17.4	3.6	27.2	25.9	3.5	34.3	32.8	4.0
Pneumonia/Influenza	102	14.7	20.8	5.5	24.5	27.3	7.2	28.4	32.5	7.6
Chronic Obstructive Pulmonary Disease	46	2.2	8.8	*	6.5	14.3	*	17.4	19.2	*
Transient Cerebral Ischemia	54	7.4	2.3	5.0	11.1	5.1	6.2	11.1	8.0	5.2
Stroke	143	20.3	20.5	6.1	32.2	28.3	7.0	35.0	32.9	5.7
Hip Fracture	59	10.2	7.1	7.5	15.3	12.6	8.4	20.3	16.1	8.9
Sepsis	41	34.1	42.6	*	48.8	50.3	*	51.2	56.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	7.8	*	6.7	13.6	*	6.7	17.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	6.1	4.4	*	6.1	8.4	*	9.1	11.2	*
Open Reduction of Hip Fracture	26	3.8	6.4	*	15.4	11.9	*	23.1	15.6	*
Prostatectomy	94	0.0	1.3	2.0	4.3	3.3	2.0	6.4	5.6	2.7
Cholecystectomy	45	4.4	3.2	*	4.4	5.5	*	4.4	7.0	*
Hysterectomy	7	14.3	0.5	*	14.3	1.0	*	14.3	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHILTON MEMORIAL HOSPITAL

97 W Pkwy
Pompton Plains, NJ 07444

Medicare Provider Number: 310017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,025	11.2	10.4	1.0	17.5	15.7	2.2	21.4	19.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	60	30.0	26.1	8.2	35.0	29.1	9.0	36.7	32.2	8.9
Congestive Heart Failure	107	21.5	15.9	7.3	29.0	24.3	7.1	34.6	31.1	7.5
Pneumonia/Influenza	128	25.0	19.5	7.0	32.0	25.8	7.6	37.5	30.6	8.7
Chronic Obstructive Pulmonary Disease	16	0.0	8.1	*	6.3	13.9	*	12.5	19.0	*
Transient Cerebral Ischemia	58	1.7	2.1	2.3	3.4	4.8	3.2	6.9	7.7	3.8
Stroke	86	24.4	22.7	5.9	33.7	29.9	6.2	38.4	34.4	6.3
Hip Fracture	66	9.1	7.6	4.0	16.7	13.4	4.9	24.2	17.2	7.0
Sepsis	37	37.8	26.7	*	48.6	34.3	*	56.8	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.0	*	0.0	6.4	*	0.0	9.7	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	39	0.0	5.1	*	2.6	10.1	*	7.7	13.6	*
Open Reduction of Hip Fracture	21	9.5	7.3	*	9.5	13.4	*	28.6	17.3	*
Prostatectomy	106	1.9	1.3	1.2	2.8	3.1	1.7	4.7	5.1	2.2
Cholecystectomy	39	5.1	3.4	*	5.1	5.9	*	5.1	7.7	*
Hysterectomy	22	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 248
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 205
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 0
Registered Nurses 210
Licensed Practical Nurses 33

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

CHILTON MEMORIAL HOSPITAL

Medicare Provider Number: 310017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,986	13.0	10.9	1.1	19.2	16.5	1.3	24.0	20.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	83	21.7	31.0	6.6	26.5	34.2	6.7	30.1	37.6	6.5
Congestive Heart Failure	98	32.7	18.1	7.1	41.8	26.9	7.5	44.9	33.9	6.7
Pneumonia/Influenza	105	29.5	18.6	5.7	35.2	24.8	6.3	41.9	29.5	6.9
Chronic Obstructive Pulmonary Disease	20	15.0	12.2	*	25.0	19.7	*	35.0	25.4	*
Transient Cerebral Ischemia	53	3.8	2.0	3.6	9.4	4.3	5.8	11.3	6.7	8.1
Stroke	97	20.6	21.8	4.3	26.8	28.9	4.8	35.1	33.6	5.0
Hip Fracture	68	13.2	7.6	4.4	20.6	13.5	6.3	26.5	17.2	8.8
Sepsis	34	23.5	29.0	*	29.4	36.9	*	35.3	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	6.5	*	7.7	10.2	*	7.7	13.7	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.1	*	0.0	2.9	*
Hip Replacement/Reconstruction	41	7.3	4.2	*	9.8	8.0	*	12.2	10.3	*
Open Reduction of Hip Fracture	14	7.1	6.9	*	28.6	12.8	*	35.7	16.5	*
Prostatectomy	78	1.3	1.1	1.2	2.6	2.6	1.9	3.8	4.4	2.4
Cholecystectomy	39	7.7	3.6	*	10.3	6.2	*	12.8	7.8	*
Hysterectomy	8	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,849	11.5	10.0	1.7	19.0	15.2	4.6	23.3	19.2	4.6
CONDITIONS:										
Acute Myocardial Infarction	67	31.3	31.8	7.0	37.3	35.5	6.2	40.3	39.3	6.2
Congestive Heart Failure	96	24.0	16.5	6.1	35.4	24.9	7.5	42.7	31.9	8.3
Pneumonia/Influenza	71	36.6	20.7	7.2	47.9	27.6	8.5	52.1	32.8	8.5
Chronic Obstructive Pulmonary Disease	12	16.7	11.5	*	33.3	17.7	*	33.3	22.8	*
Transient Cerebral Ischemia	56	3.6	2.0	2.7	7.1	4.4	5.9	12.5	7.0	8.6
Stroke	80	23.7	22.4	4.9	31.3	30.3	5.2	32.5	35.0	6.4
Hip Fracture	76	2.6	7.0	4.5	7.9	12.5	5.3	14.5	16.0	4.4
Sepsis	31	35.5	30.0	*	48.4	39.6	*	61.3	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.5	*	20.0	8.8	*	26.7	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	38	0.0	3.9	*	2.6	7.2	*	13.2	9.5	*
Open Reduction of Hip Fracture	17	5.9	5.6	*	11.8	10.6	*	11.8	14.0	*
Prostatectomy	82	0.0	1.3	1.8	2.4	3.2	2.1	3.7	5.3	2.9
Cholecystectomy	46	4.3	3.2	*	6.5	5.7	*	8.7	7.4	*
Hysterectomy	12	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

19.1

Chilton Memorial Hospital
Pompton Plains · NJ · 07444
201/831-5000

VHA
Member of Voluntary Hospitals of America, Inc.

January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Gentlemen:

I would like to take this opportunity to respond to the forthcoming release of the HCFA Medicare Hospital Mortality Information as it relates to Chilton Memorial Hospital.

As in previous years, Chilton has taken the Medicare Mortality report very seriously. As per the directions of HCFA in their release of this data to hospitals, we have calculated the difference between the observed and predicted mortality rates in our facility. Based on this data, we have concluded that there are no areas where the "observed mortality rate exceeds the predicted mortality rate to an extent that is meaningful or significant". We can only conclude that Chilton's observed results are well within any error discrepancies of the variations of data and HCFA's predicted model assumptions. As previously stated, this indicates there are no identified problems.

We pride ourselves on our internal Quality Assurance Program which monitors the quality of care provided by the Medical-Dental Staff. Since the program is ongoing, patterns and trends are looked for as well as opportunities to improve the care provided.

This quality assurance program which was recognized as a superior model during our October 1990 JCAHO/DOH inspections utilizes many different indicators in its analyses of care rendered. Mortalities is just one such example of an indicator utilized in our review. However, in our monitoring, we go beyond simply utilizing a statistical analysis, which by itself is far from being an adequate measure of quality of care. As a part of our analyses of

BOARD OF TRUSTEES

Chairman
Robert T. Dunn, MD

Vice Chairman
Gloria A. Carelli
CGW Enterprises, Inc

Treasurer
Louis Lombardi
National Community Bank

Secretary
Mary G. Chapman

President and Chief Executive Officer
Gerald M. Krantz, FACHE

Jane Aslaksen
Donald Bruce Insurance Agency

Celia Baros

Edwin P. Brooks
Employee Benefit Consultant

Hugo Cardullo, MD

John W. Fredericks
Fredericks Fuel & Heating Service

Gerald T. Heullit
Architect

Charles Honig, MD

James W. Klein
Madison Business Forms

Charles J. Myers
Podesta, Myers & Crammond

John Pier, Jr., DDS

The Rev. Andrew R. Rienstra
First Reformed Church
Pompton Plains

U.S. Rep. Robert A. Roe
Congressman, 8th District, NJ

Robert D. San Filippo
Greenwich Mills Company

Edward K. Townsend
Touche Ross & Co.

mortality cases, our physicians comprehensively review the total care rendered to these patients. This review takes into consideration all factors involving the patients' care including the expected outcome of the hospitalization, i.e., Chilton is geographically located such that we are a prime receiving hospital for nursing home patients, many such patients are admitted which both personal and family requests that no excessive medical and technical interventions be used to prolong life beyond its natural limits. Although our overall medicare mortality rate falls within HCFA's predicted range, our review of all mortalities continues.

As in the past, Chilton Memorial Hospital will continue to strive to provide its patients, regardless of their ability to pay, or their age, with Quality Healthcare. We view Chilton Memorial Hospital as the premier community hospital and we expect those who are affiliated to maintain our high quality standards of care.

Sincerely,

James J. Doyle, Jr.
President and Chief Executive Officer

JJD/lf

CHRIST HOSPITAL

176 Palisade Ave
Jersey City, NJ 07306

Medicare Provider Number: 310016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,275	7.8	9.2	1.0	14.9	14.7	1.9	19.9	19.0	3.0
CONDITIONS:										
Acute Myocardial Infarction	55	25.5	26.1	6.2	30.9	29.7	6.3	32.7	33.1	6.4
Congestive Heart Failure	136	10.3	13.7	3.8	21.3	21.4	4.0	28.7	27.8	3.9
Pneumonia/Influenza	67	11.9	14.1	4.6	20.9	19.2	5.1	26.9	23.5	5.9
Chronic Obstructive Pulmonary Disease	61	4.9	11.1	6.8	14.8	18.2	7.4	18.0	23.8	8.0
Transient Cerebral Ischemia	45	2.2	2.0	*	4.4	4.3	*	6.7	6.8	*
Stroke	81	17.3	18.4	5.0	28.4	25.4	6.5	29.6	29.8	7.7
Hip Fracture	34	5.9	7.7	*	20.6	13.8	*	23.5	17.8	*
Sepsis	18	16.7	28.0	*	22.2	36.7	*	33.3	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.3	*	11.1	6.7	*	11.1	9.8	*
Carotid Endarterectomy	13	0.0	1.3	*	7.7	2.3	*	7.7	3.3	*
Hip Replacement/Reconstruction	26	0.0	4.1	*	7.7	7.9	*	11.5	10.7	*
Open Reduction of Hip Fracture	18	5.6	7.3	*	22.2	13.8	*	27.8	18.1	*
Prostatectomy	92	0.0	1.1	1.4	0.0	2.6	2.8	2.2	4.3	2.8
Cholecystectomy	39	2.6	3.4	*	5.1	6.3	*	12.8	8.6	*
Hysterectomy	12	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	378
Occupancy Rate	93
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	338
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	239
Licensed Practical Nurses	37

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHRIST HOSPITAL

Medicare Provider Number: 310016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,315	8.2	9.6	0.6	15.2	15.1	0.8	20.1	19.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	45	28.9	30.9	*	37.8	33.9	*	44.4	37.3	*
Congestive Heart Failure	133	21.8	17.5	4.3	32.3	26.1	5.6	41.4	33.3	6.5
Pneumonia/Influenza	60	20.0	16.1	6.8	23.3	21.8	9.0	33.3	26.5	11.4
Chronic Obstructive Pulmonary Disease	71	7.0	11.3	4.7	12.7	18.2	6.4	18.3	23.8	7.8
Transient Cerebral Ischemia	51	0.0	2.0	*	3.9	4.2	*	3.9	6.6	*
Stroke	80	11.2	21.4	6.3	18.8	28.6	6.9	21.2	33.5	7.2
Hip Fracture	45	15.6	7.5	*	24.4	13.2	*	26.7	16.6	*
Sepsis	23	21.7	30.9	*	39.1	39.7	*	52.2	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	42.9	8.5	*	42.9	13.0	*	42.9	17.0	*
Carotid Endarterectomy	16	0.0	1.7	*	0.0	3.2	*	6.3	4.7	*
Hip Replacement/Reconstruction	26	3.8	3.3	*	7.7	6.2	*	11.5	8.1	*
Open Reduction of Hip Fracture	26	7.7	6.1	*	15.4	11.2	*	19.2	14.4	*
Prostatectomy	106	0.9	1.2	1.4	1.9	3.0	3.0	5.7	4.9	3.2
Cholecystectomy	34	0.0	3.9	*	8.8	7.0	*	8.8	8.9	*
Hysterectomy	15	0.0	2.0	*	6.7	4.0	*	6.7	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,367	8.0	9.9	2.4	14.4	15.4	1.9	18.6	19.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	57	28.1	32.8	8.2	31.6	35.8	7.4	38.6	39.4	6.5
Congestive Heart Failure	130	14.6	16.9	3.7	20.0	25.3	5.3	26.2	32.0	6.1
Pneumonia/Influenza	79	13.9	18.2	5.0	26.6	24.4	5.2	31.6	29.3	5.4
Chronic Obstructive Pulmonary Disease	68	4.4	14.0	5.6	7.4	22.1	7.6	13.2	27.9	8.1
Transient Cerebral Ischemia	35	0.0	2.3	*	2.9	4.8	*	5.7	7.6	*
Stroke	91	22.0	21.3	4.6	31.9	29.1	5.5	37.4	33.8	5.9
Hip Fracture	38	2.6	7.1	*	7.9	12.7	*	13.2	16.3	*
Sepsis	27	22.2	35.5	*	44.4	42.9	*	59.3	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.0	*	0.0	4.2	*	0.0	6.5	*
Carotid Endarterectomy	8	0.0	2.0	*	0.0	4.1	*	0.0	6.4	*
Hip Replacement/Reconstruction	28	10.7	3.3	*	10.7	6.7	*	14.3	9.4	*
Open Reduction of Hip Fracture	20	0.0	5.7	*	5.0	10.8	*	5.0	14.3	*
Prostatectomy	111	0.9	1.6	1.3	2.7	3.8	2.3	4.5	6.1	3.6
Cholecystectomy	37	5.4	4.1	*	10.8	7.8	*	10.8	10.6	*
Hysterectomy	14	0.0	1.0	*	0.0	2.0	*	7.1	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CLARA MAASS MEDICAL CENTER

One Franklin Ave
Belleville, NJ 07109

Medicare Provider Number: 310009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,938	9.0	8.4	1.1	15.4	13.1	1.5	18.6	16.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	46	39.1	28.6	*	39.1	32.0	*	41.3	35.5	*
Congestive Heart Failure	158	15.8	13.1	4.3	29.7	20.5	4.8	34.2	26.7	4.5
Pneumonia/Influenza	92	17.4	18.2	4.1	26.1	24.3	4.6	33.7	29.1	6.8
Chronic Obstructive Pulmonary Disease	45	4.4	7.6	*	4.4	13.3	*	6.7	18.4	*
Transient Cerebral Ischemia	86	1.2	1.9	1.6	5.8	4.2	2.4	9.3	6.7	3.8
Stroke	79	25.3	20.6	8.9	36.7	27.4	10.3	40.5	31.8	10.9
Hip Fracture	65	4.6	8.0	4.4	13.8	13.8	4.3	18.5	17.4	5.0
Sepsis	16	18.8	29.2	*	37.5	36.4	*	37.5	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	2.9	*	13.3	6.0	*	20.0	9.0	*
Carotid Endarterectomy	14	7.1	1.6	*	14.3	3.0	*	14.3	4.4	*
Hip Replacement/Reconstruction	27	3.7	6.4	*	14.8	11.6	*	18.5	14.9	*
Open Reduction of Hip Fracture	41	4.9	7.1	*	12.2	12.6	*	17.1	16.1	*
Prostatectomy	131	1.5	1.0	1.2	3.8	2.5	2.4	4.6	4.2	2.5
Cholecystectomy	35	0.0	2.0	*	0.0	3.5	*	2.9	4.5	*
Hysterectomy	26	3.8	0.5	*	3.8	1.0	*	3.8	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	375
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	209
Percent of Physicians Board Certified Specialists	60
Medical Residents/Interns	0
Registered Nurses	244
Licensed Practical Nurses	34

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CLARA MAASS MEDICAL CENTER

Medicare Provider Number: 310009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,897	9.6	9.2	0.6	14.7	13.9	0.9	19.1	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	67	43.3	29.0	8.6	47.8	32.1	9.2	50.7	35.5	9.7
Congestive Heart Failure	182	16.5	16.2	2.8	22.0	24.6	4.0	29.1	31.6	4.2
Pneumonia/Influenza	97	9.3	19.8	5.5	16.5	26.3	5.3	27.8	31.3	4.8
Chronic Obstructive Pulmonary Disease	37	8.1	9.8	*	10.8	16.2	*	13.5	21.5	*
Transient Cerebral Ischemia	92	1.1	2.0	1.7	3.3	4.3	2.5	7.6	6.8	2.8
Stroke	104	21.2	22.0	4.7	33.7	28.7	7.1	37.5	33.4	8.3
Hip Fracture	54	0.0	7.6	8.1	1.9	13.1	11.4	7.4	16.5	9.3
Sepsis	16	18.8	29.8	*	31.3	38.7	*	43.8	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	6.1	*	18.2	9.4	*	27.3	12.6	*
Carotid Endarterectomy	9	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	28	0.0	5.5	*	0.0	9.4	*	0.0	11.8	*
Open Reduction of Hip Fracture	27	0.0	6.6	*	3.7	12.1	*	11.1	15.7	*
Prostatectomy	125	0.0	1.3	1.5	2.4	3.1	1.7	4.8	5.1	2.3
Cholecystectomy	55	7.3	3.2	4.0	7.3	5.7	3.6	9.1	7.4	4.5
Hysterectomy	12	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,945	8.7	9.3	0.7	13.9	14.0	0.7	17.5	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	88	36.4	32.4	6.2	38.6	35.8	5.6	42.0	39.2	6.8
Congestive Heart Failure	200	16.0	16.3	2.7	24.0	24.0	3.3	29.5	30.6	3.5
Pneumonia/Influenza	90	15.6	17.2	4.4	23.3	22.8	4.5	26.7	27.4	4.8
Chronic Obstructive Pulmonary Disease	42	2.4	11.8	*	7.1	18.6	*	7.1	23.8	*
Transient Cerebral Ischemia	71	1.4	2.4	2.6	4.2	5.2	2.9	8.5	8.2	3.3
Stroke	109	16.5	22.6	6.6	24.8	29.5	7.4	31.2	34.1	6.3
Hip Fracture	41	7.3	7.6	*	14.6	12.8	*	17.1	16.1	*
Sepsis	17	23.5	36.5	*	35.3	47.4	*	52.9	54.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	16.7	4.6	*	16.7	8.5	*	16.7	11.9	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	27	3.7	3.1	*	3.7	5.6	*	3.7	7.2	*
Open Reduction of Hip Fracture	26	7.7	5.9	*	15.4	10.6	*	15.4	13.8	*
Prostatectomy	136	1.5	1.2	1.0	2.9	2.9	1.6	5.9	4.9	2.2
Cholecystectomy	50	6.0	4.0	*	10.0	7.3	*	14.0	9.9	*
Hysterectomy	11	0.0	1.4	*	9.1	2.9	*	9.1	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COLUMBUS HOSPITAL

495 North 13th St
Newark, NJ 07107

Medicare Provider Number: 310093

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,117	7.3	7.9	1.7	11.5	12.1	1.9	13.8	15.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	34.0	*	37.1	37.4	*	40.0	40.9	*
Congestive Heart Failure	83	15.7	13.5	4.4	22.9	21.3	4.8	27.7	27.8	5.1
Pneumonia/Influenza	29	27.6	14.3	*	31.0	19.5	*	31.0	23.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	8.0	*	0.0	12.9	*	0.0	17.4	*
Transient Cerebral Ischemia	36	2.8	2.0	*	2.8	4.7	*	2.8	7.6	*
Stroke	36	16.7	20.0	*	33.3	26.2	*	33.3	30.4	*
Hip Fracture	17	5.9	6.5	*	5.9	11.5	*	5.9	14.8	*
Sepsis	3	33.3	36.2	*	33.3	46.6	*	33.3	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	4.9	*	15.8	9.9	*	21.1	14.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.2	*	0.0	6.3	*	0.0	9.0	*
Open Reduction of Hip Fracture	10	0.0	5.8	*	0.0	10.7	*	0.0	14.1	*
Prostatectomy	56	3.6	1.2	2.2	3.6	2.7	3.0	8.9	4.5	4.0
Cholecystectomy	7	0.0	1.3	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy	4	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	206
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	186
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	137
Licensed Practical Nurses	41

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COLUMBUS HOSPITAL

Medicare Provider Number: 310093

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,106	7.1	7.7	1.2	10.8	11.7	1.4	14.0	14.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	28.0	*	25.0	31.2	*	29.2	35.0	*
Congestive Heart Failure	68	17.6	14.4	4.8	17.6	21.8	5.8	23.5	28.2	6.5
Pneumonia/Influenza	37	8.1	14.4	*	21.6	19.7	*	21.6	23.9	*
Chronic Obstructive Pulmonary Disease	21	0.0	6.7	*	4.8	12.0	*	4.8	16.6	*
Transient Cerebral Ischemia	42	7.1	2.2	*	7.1	4.8	*	7.1	7.4	*
Stroke	45	22.2	21.8	*	22.2	27.7	*	28.9	32.1	*
Hip Fracture	15	13.3	5.8	*	20.0	10.4	*	20.0	13.3	*
Sepsis	8	50.0	29.3	*	50.0	38.1	*	50.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	30.8	10.3	*	30.8	14.3	*	38.5	17.8	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	10	10.0	1.2	*	10.0	2.3	*	10.0	3.1	*
Open Reduction of Hip Fracture	9	11.1	5.7	*	22.2	10.4	*	22.2	13.5	*
Prostatectomy	52	0.0	1.3	2.0	1.9	3.1	2.7	3.8	5.2	3.3
Cholecystectomy	13	0.0	4.4	*	0.0	7.6	*	0.0	9.5	*
Hysterectomy	2	0.0	9.8	*	0.0	17.7	*	0.0	23.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,096	6.4	8.3	2.0	10.9	12.5	2.4	14.7	16.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	29.3	*	30.0	32.7	*	36.7	36.4	*
Congestive Heart Failure	86	16.3	15.9	4.3	26.7	23.4	6.7	30.2	29.8	6.3
Pneumonia/Influenza	32	3.1	15.1	*	9.4	20.2	*	18.8	24.6	*
Chronic Obstructive Pulmonary Disease	25	4.0	11.7	*	12.0	18.1	*	24.0	23.0	*
Transient Cerebral Ischemia	35	2.9	2.4	*	2.9	5.2	*	8.6	8.3	*
Stroke	45	20.0	24.4	*	33.3	31.8	*	40.0	36.5	*
Hip Fracture	16	0.0	4.9	*	12.5	9.1	*	18.8	12.0	*
Sepsis	6	16.7	28.1	*	16.7	33.3	*	16.7	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.3	*	8.3	8.0	*	8.3	11.0	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	8	0.0	1.8	*	12.5	3.5	*	12.5	4.8	*
Open Reduction of Hip Fracture	10	0.0	4.2	*	10.0	8.0	*	20.0	10.7	*
Prostatectomy	62	0.0	1.3	1.9	0.0	3.1	3.5	1.6	5.1	4.4
Cholecystectomy	12	0.0	1.9	*	0.0	3.8	*	8.3	5.5	*
Hysterectomy	2	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

This page is intentionally blank.

Columbus Hospital

495 NO. THIRTEENTH ST. • NEWARK, N. J. 07107-1397 • (201) 268-1400

Medicare Provider Number: 310093

January 8, 1991

Health Care Financing Administration
Health Standards & Quality Review
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have reviewed the Medicare hospital mortality information and note that Columbus Hospital's mortality rate, in the category of "all causes", is within the range predicted by the Health Care Financing Administration.

Focusing on the specific diagnostic and procedural categories, we find that, in all but two categories, the number of cases treated at Columbus Hospital were too few for HCFA to develop a predictable range for each category. Therefore, we can not consider this information to be conclusive.

As part of its ongoing review of all mortalities within the hospital, the Columbus Hospital Medical Staff will review this information to determine if it has any clinical significance.

In conclusion, we feel that Columbus Hospital's overall Medicare mortality rate is characteristic of an acute care, community hospital which provides care to patients of all ages.

Sincerely,

John G. Magliaro
Administrator

JGM/pf

COMMUNITY MEMORIAL HOSPITAL

Rt 37
Toms River, NJ 08753

Medicare Provider Number: 310041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,556	11.6	10.2	2.1	17.9	15.8	3.3	21.7	20.0	3.1
CONDITIONS:										
Acute Myocardial Infarction	268	28.0	26.2	2.8	33.6	29.4	3.3	38.1	32.7	3.8
Congestive Heart Failure	498	15.1	15.6	1.9	25.5	23.9	2.9	32.3	30.8	3.2
Pneumonia/Influenza	230	24.3	19.7	3.2	36.5	26.5	4.8	42.2	31.8	4.8
Chronic Obstructive Pulmonary Disease	127	10.2	8.5	2.8	16.5	14.8	3.6	25.2	20.4	4.2
Transient Cerebral Ischemia	153	0.7	2.1	2.1	3.9	4.7	2.4	7.2	7.3	3.2
Stroke	313	18.8	20.8	3.0	27.2	27.9	2.6	32.9	32.5	2.8
Hip Fracture	135	13.3	7.2	3.7	17.8	12.7	3.8	20.0	16.3	4.0
Sepsis	84	20.2	28.3	7.0	33.3	36.3	7.5	34.5	42.7	6.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	3.9	*	7.4	7.1	*	7.4	10.1	*
Carotid Endarterectomy	54	1.9	1.8	2.6	1.9	3.5	3.5	5.6	5.1	4.6
Hip Replacement/Reconstruction	85	7.1	3.9	3.3	11.8	7.4	4.9	11.8	10.0	4.9
Open Reduction of Hip Fracture	63	11.1	6.7	5.3	14.3	12.0	4.7	17.5	15.4	5.4
Prostatectomy	324	1.2	1.2	0.6	3.7	2.9	1.1	5.2	4.8	1.3
Cholecystectomy	185	6.5	3.4	2.4	10.3	5.9	3.2	10.8	7.5	3.3
Hysterectomy	56	0.0	0.7	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 470
Occupancy Rate 94
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 289
Percent of Physicians Board Certified Specialists 51
Medical Residents/Interns 0
Registered Nurses 430
Licensed Practical Nurses 95

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 310041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,380	11.2	10.6	0.4	18.0	16.1	0.8	22.0	20.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	220	26.4	29.8	5.0	34.1	33.4	5.2	36.4	37.1	3.6
Congestive Heart Failure	475	17.5	16.2	2.0	29.9	24.4	2.9	36.4	31.2	3.1
Pneumonia/Influenza	172	22.7	20.5	3.7	30.8	27.3	5.7	37.2	32.5	6.4
Chronic Obstructive Pulmonary Disease	126	8.7	8.0	2.5	15.9	14.1	3.8	23.8	19.2	6.7
Transient Cerebral Ischemia	173	2.9	2.4	1.2	6.4	5.1	2.0	11.0	8.0	3.5
Stroke	309	22.3	20.7	3.7	30.1	27.8	4.6	35.6	32.4	5.9
Hip Fracture	176	2.8	6.5	3.3	13.1	11.6	2.6	16.5	14.9	3.1
Sepsis	77	29.9	30.6	5.6	41.6	37.8	6.1	42.9	44.2	6.6
PROCEDURES:										
Angioplasty	1	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	17.4	10.0	*	17.4	14.1	*	17.4	18.1	*
Carotid Endarterectomy	60	3.3	1.9	2.1	5.0	3.6	2.6	5.0	5.4	2.9
Hip Replacement/Reconstruction	98	4.1	4.3	4.6	12.2	8.1	6.4	15.3	10.7	7.3
Open Reduction of Hip Fracture	78	2.6	6.2	3.8	12.8	11.6	4.1	16.7	15.2	4.5
Prostatectomy	300	1.3	1.2	0.7	2.7	2.9	1.1	4.0	4.7	1.7
Cholecystectomy	145	1.4	3.9	3.0	4.8	6.7	4.3	5.5	8.6	4.8
Hysterectomy	41	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,150	11.2	10.4	1.2	17.7	15.9	2.6	21.8	20.2	2.9
CONDITIONS:										
Acute Myocardial Infarction	247	25.5	28.5	4.4	31.2	31.8	4.0	33.6	35.2	3.7
Congestive Heart Failure	400	20.7	17.1	2.6	33.0	25.5	3.3	41.0	32.5	3.6
Pneumonia/Influenza	182	23.1	19.3	4.8	31.3	25.7	6.5	36.3	31.0	6.6
Chronic Obstructive Pulmonary Disease	147	11.6	11.8	3.9	19.7	19.6	3.4	25.2	25.8	3.6
Transient Cerebral Ischemia	182	2.2	2.1	1.3	6.6	4.6	2.5	8.8	7.3	3.1
Stroke	258	17.8	19.1	2.6	26.4	26.3	4.3	31.8	30.8	3.5
Hip Fracture	120	8.3	7.0	4.0	15.0	12.4	4.3	16.7	15.9	3.4
Sepsis	71	23.9	27.0	6.0	33.8	33.9	7.3	40.8	39.5	6.3
PROCEDURES:										
Angioplasty	1	0.0	3.8	*	0.0	5.2	*	0.0	6.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	2.7	4.7	*	2.7	8.2	*	10.8	11.2	*
Carotid Endarterectomy	57	0.0	1.7	2.2	1.8	3.1	2.6	1.8	4.5	3.6
Hip Replacement/Reconstruction	66	4.5	4.7	2.9	10.6	8.7	3.8	10.6	11.4	4.3
Open Reduction of Hip Fracture	58	3.4	6.1	4.0	10.3	11.1	4.4	13.8	14.4	4.7
Prostatectomy	266	1.5	1.2	0.8	3.0	2.7	1.1	4.9	4.4	1.4
Cholecystectomy	169	3.6	4.7	1.9	8.9	7.8	2.4	10.7	9.7	2.7
Hysterectomy	53	0.0	0.8	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COOPER HOSPITAL/UNIV MEDICAL CENTER

1 Cooper Plaza
Camden, NJ 08103

Medicare Provider Number: 310014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,557	9.9	9.4	0.8	15.9	14.5	1.1	20.5	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	100	17.0	26.6	7.1	19.0	29.8	7.0	24.0	32.9	6.5
Congestive Heart Failure	101	10.9	15.5	6.7	19.8	24.3	7.3	24.8	31.4	7.8
Pneumonia/Influenza	60	16.7	16.6	5.2	28.3	22.2	7.2	33.3	26.7	9.7
Chronic Obstructive Pulmonary Disease	17	11.8	9.7	*	17.6	15.5	*	35.3	20.4	*
Transient Cerebral Ischemia	42	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Stroke	74	27.0	18.6	6.9	32.4	25.0	8.5	36.5	29.1	6.7
Hip Fracture	27	3.7	7.1	*	11.1	12.4	*	18.5	15.8	*
Sepsis	14	28.6	32.8	*	35.7	41.1	*	42.9	47.5	*
PROCEDURES:										
Angioplasty	18	5.6	3.3	*	5.6	4.6	*	5.6	6.0	*
Coronary Artery Bypass Graft	101	4.0	6.6	3.4	5.9	9.4	4.0	9.9	11.0	3.4
Initial Pacemaker Insertion	24	0.0	3.7	*	0.0	6.9	*	4.2	9.5	*
Carotid Endarterectomy	21	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	16	0.0	4.0	*	12.5	7.6	*	18.8	10.5	*
Open Reduction of Hip Fracture	11	0.0	6.2	*	9.1	11.4	*	18.2	14.9	*
Prostatectomy	67	1.5	1.8	3.5	9.0	4.6	4.2	10.4	7.6	5.2
Cholecystectomy	21	4.8	3.1	*	4.8	5.2	*	4.8	6.6	*
Hysterectomy	18	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	499
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	586
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	145
Registered Nurses	613
Licensed Practical Nurses	59

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

COOPER HOSPITAL/UNIV MEDICAL CENTER

Medicare Provider Number: 310014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,492	10.1	10.3	1.0	17.4	15.7	1.2	21.3	19.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	105	21.9	28.7	5.1	30.5	31.8	4.7	35.2	35.2	4.7
Congestive Heart Failure	118	11.0	15.2	6.5	22.9	23.1	5.3	27.1	29.7	4.7
Pneumonia/Influenza	43	7.0	17.2	*	16.3	23.4	*	20.9	27.9	*
Chronic Obstructive Pulmonary Disease	17	5.9	8.3	*	11.8	14.1	*	17.6	19.4	*
Transient Cerebral Ischemia	38	2.6	1.5	*	5.3	3.3	*	10.5	5.1	*
Stroke	88	29.5	21.9	7.6	35.2	28.3	7.3	38.6	32.7	7.5
Hip Fracture	35	8.6	7.5	*	11.4	13.1	*	11.4	16.4	*
Sepsis	12	33.3	33.5	*	41.7	40.8	*	41.7	47.0	*
PROCEDURES:										
Angioplasty	11	0.0	4.1	*	0.0	5.4	*	0.0	6.7	*
Coronary Artery Bypass Graft	97	10.3	7.3	4.1	13.4	9.8	5.4	13.4	11.3	5.9
Initial Pacemaker Insertion	37	5.4	5.7	*	5.4	8.9	*	5.4	11.8	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	19	0.0	3.4	*	0.0	6.2	*	0.0	8.0	*
Open Reduction of Hip Fracture	16	6.3	7.7	*	12.5	14.4	*	12.5	18.4	*
Prostatectomy	63	0.0	1.1	1.6	0.0	2.6	3.0	1.6	4.3	3.4
Cholecystectomy	34	2.9	2.6	*	5.9	4.8	*	11.8	6.4	*
Hysterectomy	18	5.6	1.6	*	5.6	3.8	*	5.6	6.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,312	10.9	9.8	1.1	18.5	15.4	3.3	22.3	19.6	3.6
CONDITIONS:										
Acute Myocardial Infarction	62	29.0	27.9	6.1	33.9	31.0	7.3	35.5	34.2	6.9
Congestive Heart Failure	100	16.0	17.6	4.6	28.0	26.4	4.7	35.0	33.6	5.7
Pneumonia/Influenza	59	22.0	14.5	6.5	23.7	20.1	6.0	25.4	24.5	5.7
Chronic Obstructive Pulmonary Disease	21	4.8	8.2	*	9.5	12.9	*	9.5	16.7	*
Transient Cerebral Ischemia	46	2.2	2.0	*	6.5	4.2	*	10.9	6.4	*
Stroke	54	22.2	19.8	7.5	25.9	26.3	7.0	31.5	30.5	7.1
Hip Fracture	29	3.4	6.1	*	10.3	11.0	*	13.8	14.3	*
Sepsis	13	46.2	40.0	*	61.5	47.0	*	69.2	53.0	*
PROCEDURES:										
Angioplasty	9	11.1	5.5	*	11.1	7.2	*	11.1	8.7	*
Coronary Artery Bypass Graft	76	5.3	7.7	4.4	7.9	10.5	5.5	7.9	12.0	5.5
Initial Pacemaker Insertion	45	6.7	3.3	*	13.3	6.9	*	13.3	10.4	*
Carotid Endarterectomy	7	0.0	2.4	*	0.0	5.0	*	0.0	7.5	*
Hip Replacement/Reconstruction	19	0.0	4.3	*	0.0	8.4	*	0.0	11.5	*
Open Reduction of Hip Fracture	11	9.1	6.3	*	27.3	12.2	*	36.4	16.2	*
Prostatectomy	55	0.0	1.7	2.2	3.6	3.7	3.4	3.6	5.7	4.5
Cholecystectomy	34	0.0	3.0	*	2.9	5.4	*	2.9	7.4	*
Hysterectomy	19	0.0	0.7	*	0.0	1.4	*	5.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

This page is intentionally blank.

Cooper Hospital/University Medical Center

One Cooper Plaza • Camden, New Jersey 08103

(609) 342-2000

Medicare Provider Number: 310014

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

COOPER HOSPITAL/UNIVERSITY MEDICAL CENTER

Whereas we share the reservations of the American Hospital Association regarding the potential for misinterpretation of Medicare hospital mortality statistics, we broadly support the efforts of the Health Care Financing Agency to design and report indicators reflecting quality of care.

Cooper Hospital/University Medical Center is the leading tertiary care referral center of Southern New Jersey. While we are widely known for our Level One Trauma Center and specialized Pediatric Care, our tertiary medical and surgical services attract the most severely ill in the region. While it is true that mortality statistics represent only the most crude indicators of clinical performance, we are pleased to report that Cooper's mortality rates fall within the predicted ranges, permitting only a 5% sampling error, in every clinical category.

DEBORAH HEART & LUNG CENTER

Trenton Rd
Browns Mills, NJ 08015

Medicare Provider Number: 310031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,307	2.7	5.6	2.9	4.7	8.5	3.8	7.1	10.8	3.2
CONDITIONS:										
Acute Myocardial Infarction	40	10.0	26.4	*	10.0	30.6	*	12.5	34.6	*
Congestive Heart Failure	33	3.0	13.6	*	15.2	21.9	*	33.3	28.3	*
Pneumonia/Influenza	4	0.0	10.0	*	0.0	13.7	*	0.0	16.8	*
Chronic Obstructive Pulmonary Disease	23	0.0	4.5	*	0.0	7.8	*	4.3	11.0	*
Transient Cerebral Ischemia	3	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Stroke	0									
Hip Fracture	0									
Sepsis	1	0.0	20.2	*	100.0	30.4	*	100.0	37.8	*
PROCEDURES:										
Angioplasty	82	0.0	2.6	3.2	0.0	3.6	4.3	1.2	4.7	4.4
Coronary Artery Bypass Graft	230	5.7	5.7	2.5	8.3	8.4	2.2	9.1	10.0	2.1
Initial Pacemaker Insertion	21	0.0	2.1	*	4.8	4.4	*	4.8	6.7	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 155
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 49
Percent of Physicians Board Certified Specialists 86
Medical Residents/Interns 37
Registered Nurses 241
Licensed Practical Nurses 6

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DEBORAH HEART & LUNG CENTER

Medicare Provider Number: 310031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,215	4.1	5.9	1.0	5.9	8.9	1.2	8.6	11.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	32.0	*	30.8	35.6	*	30.8	40.0	*
Congestive Heart Failure	18	11.1	10.3	*	16.7	15.7	*	27.8	20.8	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	35	0.0	6.1	*	0.0	10.3	*	0.0	14.3	*
Transient Cerebral Ischemia	12	0.0	1.5	*	16.7	2.6	*	16.7	3.8	*
Stroke	1	0.0	13.4	*	0.0	21.1	*	0.0	26.1	*
Hip Fracture	0									
Sepsis	1	0.0	17.3	*	0.0	29.1	*	0.0	35.7	*
PROCEDURES:										
Angioplasty	62	0.0	2.0	2.7	0.0	2.9	3.4	1.6	3.9	3.1
Coronary Artery Bypass Graft	201	5.0	6.0	2.2	6.0	8.2	2.9	8.5	9.5	2.6
Initial Pacemaker Insertion	15	6.7	4.4	*	13.3	8.3	*	13.3	11.3	*
Carotid Endarterectomy	8	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,073	4.8	5.4	0.9	8.2	8.3	1.1	10.2	10.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	22.3	*	50.0	25.4	*	50.0	28.7	*
Congestive Heart Failure	31	16.1	12.8	*	19.4	20.1	*	22.6	26.5	*
Pneumonia/Influenza	2	50.0	11.7	*	50.0	16.3	*	50.0	20.4	*
Chronic Obstructive Pulmonary Disease	57	0.0	4.9	4.7	3.5	8.8	5.7	8.8	12.0	5.5
Transient Cerebral Ischemia	11	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	36	0.0	1.9	*	0.0	2.6	*	2.8	3.6	*
Coronary Artery Bypass Graft	171	9.4	6.0	3.5	12.3	7.9	3.9	14.0	9.2	4.2
Initial Pacemaker Insertion	16	12.5	3.0	*	12.5	5.7	*	12.5	7.8	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

Deborah
Heart and Lung
Center

Browns Mills, NJ 08015-1799
609/893-6611

310031

John R. Ernst
Executive Director

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I have reviewed the information which had been sent by Gail Wilensky last month. My review of this packet has revealed the following:

During 1989 our actual mortality rates for all categories are within 1.16 standard deviations below their predicted rate.

If you review the revised data from 1988 you will note that our actual rates were also below those predicted by HCFA for all categories at all time periods.

Our mortality has continued to decrease while increasing the overall numbers of patients treated.

Also worthy of noting is that the number of patients having coronary angioplasty increases each year, taking the patients with the lowest risk out of the surgical category.

Very truly yours,

John R. Ernst
Executive Director

JRE/cb

DOVER GENERAL HOSPITAL

Jardine St
Dover, NJ 07801

Medicare Provider Number: 310067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,886	8.0	9.4	1.9	12.9	14.5	2.3	17.3	18.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	113	13.3	24.7	5.8	16.8	28.7	6.1	19.5	32.2	6.4
Congestive Heart Failure	119	12.6	15.6	4.1	28.6	24.4	4.8	30.3	31.6	6.2
Pneumonia/Influenza	74	18.9	16.7	5.3	21.6	22.8	5.1	24.3	27.5	7.2
Chronic Obstructive Pulmonary Disease	27	3.7	7.1	*	3.7	12.1	*	7.4	16.7	*
Transient Cerebral Ischemia	48	0.0	2.0	*	2.1	4.4	*	8.3	7.1	*
Stroke	53	11.3	21.4	9.8	18.9	28.2	10.0	26.4	32.7	8.2
Hip Fracture	38	2.6	5.9	*	10.5	10.5	*	13.2	13.5	*
Sepsis	19	15.8	25.0	*	26.3	32.5	*	31.6	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	4.7	*	0.0	8.6	*	7.7	11.8	*
Carotid Endarterectomy	4	0.0	1.3	*	25.0	2.4	*	25.0	3.6	*
Hip Replacement/Reconstruction	27	3.7	3.4	*	11.1	6.3	*	14.8	8.3	*
Open Reduction of Hip Fracture	16	0.0	5.8	*	6.3	10.9	*	6.3	14.3	*
Prostatectomy	77	1.3	1.4	2.1	5.2	3.4	3.1	7.8	5.7	4.3
Cholecystectomy	34	2.9	2.6	*	8.8	4.3	*	11.8	5.3	*
Hysterectomy	15	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 360
Occupancy Rate 59
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 109
Percent of Physicians Board Certified Specialists 74
Medical Residents/Interns 0
Registered Nurses 280
Licensed Practical Nurses 81

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

DOVER GENERAL HOSPITAL

Medicare Provider Number: 310067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,894	9.5	9.9	0.9	15.0	15.1	0.9	19.3	19.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	105	32.4	28.9	5.2	38.1	32.2	6.5	41.9	35.8	8.0
Congestive Heart Failure	133	12.0	15.5	3.6	23.3	23.6	3.7	33.8	30.3	4.6
Pneumonia/Influenza	83	14.5	18.3	7.6	21.7	24.7	5.8	27.7	29.7	5.4
Chronic Obstructive Pulmonary Disease	43	9.3	8.5	*	14.0	14.7	*	20.9	19.7	*
Transient Cerebral Ischemia	63	0.0	1.7	2.5	1.6	3.6	3.6	4.8	5.7	3.8
Stroke	58	15.5	23.7	8.5	19.0	30.7	10.4	24.1	35.6	11.1
Hip Fracture	35	5.7	6.5	*	5.7	12.1	*	11.4	15.7	*
Sepsis	18	27.8	28.3	*	38.9	35.7	*	38.9	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	21.4	8.3	*	28.6	10.9	*	28.6	13.5	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	4.0	*	0.0	5.9	*
Hip Replacement/Reconstruction	15	0.0	3.1	*	0.0	5.9	*	0.0	7.7	*
Open Reduction of Hip Fracture	20	10.0	6.2	*	10.0	12.2	*	20.0	16.2	*
Prostatectomy	71	0.0	1.3	2.3	4.2	3.2	2.7	7.0	5.4	3.7
Cholecystectomy	36	5.6	2.6	*	11.1	4.2	*	16.7	5.1	*
Hysterectomy	12	8.3	0.8	*	8.3	1.7	*	8.3	2.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,872	8.9	9.8	1.5	15.1	14.7	1.2	18.6	18.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	89	23.6	28.8	7.5	25.8	32.1	8.3	29.2	35.6	8.8
Congestive Heart Failure	86	16.3	16.5	4.5	31.4	24.6	8.0	38.4	31.4	9.3
Pneumonia/Influenza	49	22.4	16.4	*	28.6	22.1	*	30.6	26.8	*
Chronic Obstructive Pulmonary Disease	47	17.0	11.4	*	21.3	19.0	*	27.7	25.1	*
Transient Cerebral Ischemia	44	0.0	1.6	*	0.0	3.5	*	4.5	5.6	*
Stroke	81	22.2	24.1	5.1	34.6	31.7	5.9	43.2	36.7	7.2
Hip Fracture	33	3.0	9.4	*	6.1	16.3	*	12.1	20.5	*
Sepsis	18	16.7	28.1	*	27.8	35.2	*	33.3	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.5	*	0.0	6.2	*	0.0	8.6	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	11	0.0	2.5	*	0.0	5.1	*	0.0	7.1	*
Open Reduction of Hip Fracture	19	0.0	9.1	*	5.3	16.3	*	15.8	20.9	*
Prostatectomy	82	0.0	1.2	1.5	1.2	2.8	2.2	2.4	4.7	3.1
Cholecystectomy	41	2.4	3.4	*	7.3	5.4	*	7.3	6.9	*
Hysterectomy	7	0.0	1.8	*	14.3	3.7	*	14.3	5.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

EAST ORANGE GENERAL HOSPITAL

300 Central Ave
East Orange, NJ 07018

Medicare Provider Number: 310083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,064	10.5	10.4	4.0	17.6	15.7	7.6	22.1	19.8	9.0
CONDITIONS:										
Acute Myocardial Infarction	12	41.7	30.3	*	58.3	35.3	*	58.3	39.5	*
Congestive Heart Failure	61	11.5	16.6	9.4	18.0	24.9	11.7	26.2	31.6	11.5
Pneumonia/Influenza	51	15.7	22.4	8.3	23.5	29.7	7.0	35.3	35.1	6.7
Chronic Obstructive Pulmonary Disease	5	40.0	15.5	*	40.0	27.3	*	40.0	36.3	*
Transient Cerebral Ischemia	37	2.7	2.3	*	2.7	5.2	*	8.1	8.1	*
Stroke	47	17.0	21.6	*	31.9	28.7	*	36.2	33.2	*
Hip Fracture	14	21.4	7.5	*	35.7	12.8	*	42.9	16.3	*
Sepsis	26	26.9	39.1	*	57.7	48.3	*	69.2	55.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	6.6	*	0.0	14.0	*	25.0	20.3	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	3	0.0	5.4	*	66.7	9.5	*	66.7	12.3	*
Open Reduction of Hip Fracture	7	14.3	8.0	*	14.3	14.3	*	28.6	18.4	*
Prostatectomy	23	0.0	1.8	*	8.7	4.4	*	13.0	7.2	*
Cholecystectomy	7	14.3	3.7	*	28.6	6.6	*	28.6	8.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 277
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 213
Percent of Physicians Board Certified Specialists 47
Medical Residents/Interns 5
Registered Nurses 116
Licensed Practical Nurses 28

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

EAST ORANGE GENERAL HOSPITAL

Medicare Provider Number: 310083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,118	8.5	10.4	1.1	15.2	15.7	1.1	19.9	19.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	32.2	*	46.7	36.2	*	46.7	39.6	*
Congestive Heart Failure	66	13.6	16.4	6.1	21.2	24.6	5.9	34.8	31.4	6.8
Pneumonia/Influenza	40	20.0	24.1	*	35.0	32.0	*	42.5	37.6	*
Chronic Obstructive Pulmonary Disease	15	6.7	11.0	*	26.7	19.3	*	26.7	26.1	*
Transient Cerebral Ischemia	34	0.0	2.5	*	8.8	5.3	*	8.8	8.2	*
Stroke	54	18.5	20.0	6.6	20.4	27.2	7.6	22.2	32.0	9.4
Hip Fracture	9	0.0	8.9	*	22.2	15.2	*	22.2	19.1	*
Sepsis	20	35.0	34.7	*	50.0	45.1	*	65.0	52.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	8.4	*	42.9	11.8	*	57.1	15.1	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Peconstruction	9	0.0	10.0	*	33.3	17.9	*	44.4	23.1	*
Open Reduction of Hip Fracture	2	0.0	6.5	*	0.0	11.0	*	0.0	13.9	*
Prostatectomy	21	0.0	2.5	*	0.0	5.9	*	0.0	9.1	*
Cholecystectomy	6	0.0	3.4	*	16.7	5.4	*	16.7	6.6	*
Hysterectomy	2	50.0	3.1	*	50.0	7.2	*	50.0	11.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,108	9.0	10.2	1.0	15.9	15.4	3.0	20.8	19.5	4.3
CONDITIONS:										
Acute Myocardial Infarction	10	70.0	36.9	*	70.0	39.8	*	80.0	43.5	*
Congestive Heart Failure	82	13.4	16.2	4.7	15.9	24.1	7.0	23.2	30.7	7.9
Pneumonia/Influenza	29	17.2	21.0	*	31.0	27.2	*	37.9	32.3	*
Chronic Obstructive Pulmonary Disease	12	8.3	13.2	*	16.7	20.6	*	25.0	26.2	*
Transient Cerebral Ischemia	30	3.3	2.4	*	6.7	5.3	*	6.7	8.6	*
Stroke	55	21.8	24.4	7.3	29.1	32.0	6.5	34.5	36.9	6.9
Hip Fracture	9	0.0	8.7	*	11.1	15.6	*	11.1	20.1	*
Sepsis	29	27.6	36.2	*	41.4	47.1	*	58.6	54.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	2.4	*	20.0	4.5	*	20.0	6.8	*
Carotid Endarterectomy	3	0.0	2.6	*	0.0	4.6	*	0.0	6.7	*
Hip Replacement/Reconstruction	8	0.0	7.9	*	12.5	14.7	*	12.5	19.2	*
Open Reduction of Hip Fracture	1	0.0	10.4	*	0.0	19.1	*	0.0	24.4	*
Prostatectomy	28	3.6	2.9	*	10.7	6.9	*	10.7	10.8	*
Cholecystectomy	8	12.5	5.3	*	25.0	9.4	*	37.5	12.7	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELIZABETH GENERAL MEDICAL CENTER

925 E Jersey St
Elizabeth, NJ 07201

Medicare Provider Number: 310027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,468	10.7	10.5	1.3	16.8	15.8	1.2	21.0	20.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	42.5	30.1	*	47.5	33.5	*	52.5	36.9	*
Congestive Heart Failure	110	14.5	18.0	7.3	21.8	27.4	7.5	32.7	35.0	6.5
Pneumonia/Influenza	56	23.2	22.2	5.6	33.9	29.7	7.0	33.9	35.1	6.6
Chronic Obstructive Pulmonary Disease	15	6.7	13.9	*	13.3	22.6	*	13.3	29.1	*
Transient Cerebral Ischemia	21	0.0	2.1	*	9.5	4.8	*	14.3	7.7	*
Stroke	49	18.4	17.4	*	24.5	24.4	*	30.6	28.9	*
Hip Fracture	42	16.7	6.6	*	21.4	11.6	*	23.8	15.0	*
Sepsis	40	30.0	38.4	*	45.0	46.6	*	52.5	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	2.2	*	10.5	4.1	*	10.5	6.0	*
Carotid Endarterectomy	2	0.0	1.5	*	50.0	2.7	*	50.0	4.1	*
Hip Replacement/Reconstruction	18	0.0	3.4	*	5.6	6.3	*	11.1	8.4	*
Open Reduction of Hip Fracture	29	24.1	6.2	*	27.6	11.4	*	31.0	15.0	*
Prostatectomy	20	5.0	1.4	*	5.0	3.4	*	5.0	5.5	*
Cholecystectomy	13	0.0	2.0	*	0.0	4.1	*	0.0	5.8	*
Hysterectomy	10	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	371
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	368
Percent of Physicians Board Certified Specialists	59
Medical Residents/Interns	0
Registered Nurses	204
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ELIZABETH GENERAL MEDICAL CENTER

Medicare Provider Number: 310027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,676	8.1	9.8	0.9	14.6	14.7	0.9	19.2	18.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	46	28.3	28.1	*	37.0	31.0	*	37.0	34.3	*
Congestive Heart Failure	84	14.3	15.7	6.0	21.4	23.9	5.1	33.3	30.8	6.1
Pneumonia/Influenza	53	18.9	20.2	7.1	26.4	26.6	6.2	32.1	31.5	6.4
Chronic Obstructive Pulmonary Disease	22	4.5	11.0	*	9.1	18.2	*	9.1	23.8	*
Transient Cerebral Ischemia	20	5.0	2.6	*	5.0	5.8	*	10.0	9.2	*
Stroke	70	14.3	21.5	6.4	25.7	28.5	5.7	30.0	33.3	6.0
Hip Fracture	33	3.0	9.1	*	9.1	16.4	*	15.2	20.9	*
Sepsis	38	15.8	32.9	*	39.5	39.9	*	42.1	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	6.4	*	9.1	10.2	*	18.2	13.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	7.7	*	0.0	14.0	*	6.7	17.7	*
Open Reduction of Hip Fracture	21	4.8	7.4	*	14.3	14.2	*	19.0	18.8	*
Prostatectomy	33	0.0	1.1	*	0.0	2.7	*	0.0	4.5	*
Cholecystectomy	20	5.0	4.5	*	10.0	7.8	*	10.0	9.8	*
Hysterectomy	11	0.0	1.8	*	0.0	3.6	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,565	9.8	10.0	0.8	15.5	14.9	1.1	19.7	18.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	35.6	*	32.4	38.8	*	37.8	42.4	*
Congestive Heart Failure	110	19.1	19.5	3.9	34.5	28.5	4.8	42.7	35.6	5.4
Pneumonia/Influenza	36	27.8	23.3	*	33.3	30.3	*	38.9	35.6	*
Chronic Obstructive Pulmonary Disease	18	11.1	12.7	*	16.7	19.9	*	27.8	25.1	*
Transient Cerebral Ischemia	25	0.0	2.3	*	4.0	5.1	*	4.0	8.3	*
Stroke	64	18.8	21.5	5.8	28.1	28.2	5.9	35.9	32.7	7.3
Hip Fracture	44	6.8	7.4	*	15.9	13.3	*	18.2	17.3	*
Sepsis	33	24.2	34.2	*	27.3	41.7	*	33.3	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	2.2	*	9.5	4.5	*	14.3	6.8	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	24	8.3	4.7	*	8.3	9.2	*	8.3	12.4	*
Open Reduction of Hip Fracture	23	8.7	7.2	*	26.1	13.7	*	30.4	18.0	*
Prostatectomy	34	5.9	1.9	*	8.8	4.6	*	11.8	7.3	*
Cholecystectomy	20	10.0	2.8	*	15.0	5.2	*	15.0	6.9	*
Hysterectomy	5	0.0	0.7	*	0.0	1.3	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

37.1

ELIZABETH GENERAL
EGMC
MEDICAL CENTER

925 East Jersey Str
Elizabeth, New Jersey 072
(201) 289-86

GEORGE F. BILLINGTON
President
Chief Executive Officer

DAVID A. FLETCHER
Senior Vice President
Chief Operating Officer

ROBERT E. [illegible]
Chairman

RICHARD ENGL[illegible]
Secretary

ANDREW H. CAMPB
Vice Chairman

SEFTON STALLARD
Treasurer

January 14, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider # 310027

Dear Mrs. Kappert:

This letter conveys the comments of Elizabeth General Medical Center to the Health Care Financing Administration regarding the release of Medicare mortality data.

Since receiving the data on December 10, 1990, it has been reviewed by a number of key Medical Center staff. It should be noted that data was received for both Elizabeth General Medical Center - West (Medicare Provider #310027) and Elizabeth General Medical Center - East (formerly Alexian Brothers Hospital, Medicare Provider #310033). Elizabeth General Medical Center acquired the assets of Alexian Brothers Hospital effective February 1, 1990. Medicare hospital mortality data related to Elizabeth General Medical Center - East, between the period October 1, 1988 and September 30, 1989 is, in fact, data related to the former Alexian Brothers Hospital. Elizabeth General Medical Center does not accept responsibility for this data nor the Medicare hospital mortality rates for "Elizabeth General Medical Center - East" patients while the facility was still Alexian Brothers Hospital.

Elizabeth General Medical Center has a strong and effective quality assurance program involving administration, medical, nursing, and support staff. Program participants undertake a constant and in-depth review of appropriate aspects of patient care including a review of mortality data. In addition, Elizabeth General consistently meets the vigorous quality standards set forth by the Joint Commission on Accreditation of Healthcare Organizations.

As a result of its extensive experience in quality assurance, the Medical Center's staff recognizes that mortality information by itself is not an accurate measurement of the quality of patient care. We do not recommend the use of mortality information

alone to make judgements about the quality of care in an individual hospital or to make comparisons among hospitals. Mortality data may be significantly influenced by the population served, for example, patient age and socio/economic background are two factors which historically impact upon the incidence of mortality.

Elizabeth General Medical Center is currently a 437-bed, private, non-profit, voluntary medical center. Our location and range of services reflect a strong commitment to a high risk population. Elizabeth General's percentage of Medicare admissions (25%) is significant when one considers that maternity, pediatric and children's psychiatric admissions are included in our overall number of total admissions. A growing demand for critical care beds in the Medical Center's service area prompted a renovation and expansion of the intensive/coronary care unit which was expanded to 20 beds in 1987. During 1990, with the acquisition of Alexian Brothers Hospital, Elizabeth General served more acutely ill patients than during any year in our 112-year history. An active cancer program, which includes a 34-bed inpatient unit, serves a large number of patients afflicted with this life threatening disease. Meeting the health care needs of the area's indigent population is a long-standing tradition of the Medical Center, which provided 21% of its total 1990 inpatient activity to the sick poor. The greater Elizabeth community serves as a hub for transportation and industry and, as such, has come to rely heavily upon Elizabeth General for emergency services. In 1990, the Medical Center had more than 48,000 emergency visits.

Thank you for the opportunity to present this response.

Sincerely,

George F. Billington
President

/njk

ELIZABETH GENERAL MEDICAL CENTER EAST

655 East Jersey St
Elizabeth, NJ 07206

Medicare Provider Number: 310033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,073	8.4	8.6	1.9	14.4	13.5	4.7	17.8	17.4	5.6
CONDITIONS:										
Acute Myocardial Infarction	21	57.1	30.8	*	61.9	34.8	*	61.9	38.6	*
Congestive Heart Failure	67	11.9	13.3	4.9	17.9	21.5	6.0	23.9	28.5	7.3
Pneumonia/Influenza	29	24.1	17.3	*	31.0	23.4	*	37.9	28.4	*
Chronic Obstructive Pulmonary Disease	27	0.0	9.4	*	7.4	15.7	*	7.4	21.2	*
Transient Cerebral Ischemia	35	2.9	2.2	*	2.9	4.8	*	5.7	7.6	*
Stroke	33	18.2	18.2	*	30.3	24.6	*	30.3	28.9	*
Hip Fracture	10	10.0	6.4	*	10.0	11.3	*	10.0	14.7	*
Sepsis	16	12.5	24.1	*	37.5	33.2	*	43.8	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.2	*	12.5	8.8	*	12.5	11.7	*
Carotid Endarterectomy	2	0.0	2.1	*	0.0	4.3	*	0.0	6.3	*
Hip Replacement/Reconstruction	13	0.0	2.6	*	0.0	4.8	*	0.0	6.5	*
Open Reduction of Hip Fracture	5	20.0	6.3	*	20.0	11.4	*	20.0	14.7	*
Prostatectomy	23	0.0	1.1	*	0.0	2.5	*	0.0	4.1	*
Cholecystectomy	20	5.0	1.3	*	10.0	2.2	*	15.0	3.0	*
Hysterectomy	2	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 280
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 0
Registered Nurses 154
Licensed Practical Nurses 24

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... Yes
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

ELIZABETH GENERAL MEDICAL CENTER EAST

Medicare Provider Number: 310033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,326	8.7	8.7	0.8	14.8	13.6	1.1	18.9	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	27.8	*	36.0	30.7	*	40.0	34.1	*
Congestive Heart Failure	78	11.5	13.3	4.2	23.1	20.7	5.0	28.2	27.1	5.1
Pneumonia/Influenza	33	3.0	15.6	*	12.1	21.4	*	15.2	26.1	*
Chronic Obstructive Pulmonary Disease	33	6.1	10.9	*	9.1	17.8	*	12.1	23.2	*
Transient Cerebral Ischemia	43	2.3	2.2	*	4.7	4.6	*	4.7	7.1	*
Stroke	37	18.9	24.5	*	29.7	31.0	*	29.7	35.6	*
Hip Fracture	20	20.0	9.0	*	35.0	15.7	*	40.0	19.7	*
Sepsis	21	33.3	26.6	*	42.9	38.3	*	52.4	45.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.3	*	0.0	5.1	*	0.0	8.2	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	14	28.6	6.5	*	50.0	11.7	*	50.0	14.5	*
Open Reduction of Hip Fracture	11	0.0	6.4	*	0.0	11.8	*	9.1	15.5	*
Prostatectomy	28	0.0	1.1	*	3.6	2.7	*	7.1	4.5	*
Cholecystectomy	10	10.0	6.3	*	20.0	10.7	*	20.0	13.3	*
Hysterectomy	10	0.0	3.6	*	0.0	5.3	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,343	8.2	9.5	2.0	14.3	14.4	1.0	17.7	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	29	34.5	31.4	*	34.5	34.2	*	34.5	37.6	*
Congestive Heart Failure	98	11.2	15.9	5.2	26.5	24.4	4.6	31.6	31.2	4.8
Pneumonia/Influenza	42	16.7	16.2	*	19.0	22.1	*	23.8	26.8	*
Chronic Obstructive Pulmonary Disease	29	6.9	11.2	*	27.6	19.5	*	37.9	25.9	*
Transient Cerebral Ischemia	35	2.9	2.2	*	2.9	4.9	*	2.9	7.8	*
Stroke	38	10.5	21.8	*	15.8	28.2	*	15.8	32.8	*
Hip Fracture	10	10.0	6.0	*	20.0	10.8	*	20.0	14.0	*
Sepsis	13	30.8	31.8	*	46.2	40.8	*	61.5	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.2	*	8.3	10.6	*	8.3	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	1.7	*	9.1	2.9	*	9.1	3.9	*
Open Reduction of Hip Fracture	7	0.0	5.6	*	14.3	10.7	*	14.3	14.2	*
Prostatectomy	26	0.0	1.4	*	11.5	3.4	*	15.4	5.7	*
Cholecystectomy	21	0.0	5.2	*	4.8	7.9	*	4.8	9.4	*
Hysterectomy	10	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELMER COMMUNITY HOSPITAL

W Front St
Elmer, NJ 08318

Medicare Provider Number: 310069

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	987	9.8	8.8	1.1	12.9	13.5	1.8	16.1	17.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	24.9	*	24.1	27.9	*	27.6	31.1	*
Congestive Heart Failure	55	12.7	16.4	5.9	23.6	25.7	6.1	27.3	33.0	8.1
Pneumonia/Influenza	43	16.3	17.2	*	25.6	23.3	*	27.9	28.2	*
Chronic Obstructive Pulmonary Disease	28	10.7	6.4	*	10.7	11.4	*	10.7	16.0	*
Transient Cerebral Ischemia	16	0.0	1.7	*	0.0	3.8	*	6.3	6.2	*
Stroke	33	15.2	18.3	*	18.2	24.0	*	21.2	27.9	*
Hip Fracture	20	5.0	7.1	*	10.0	12.8	*	15.0	16.5	*
Sepsis	8	25.0	25.7	*	37.5	31.8	*	37.5	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	25.0	4.2	*	33.3	8.5	*	41.7	12.5	*
Carotid Endarterectomy	1	0.0	1.9	*	100.0	3.7	*	100.0	5.8	*
Hip Replacement/Reconstruction	14	7.1	3.3	*	14.3	6.3	*	14.3	8.7	*
Open Reduction of Hip Fracture	11	0.0	6.3	*	0.0	11.9	*	9.1	15.6	*
Prostatectomy	24	0.0	0.9	*	4.2	2.3	*	4.2	3.9	*
Cholecystectomy	20	0.0	2.3	*	0.0	4.5	*	5.0	6.1	*
Hysterectomy	9	0.0	1.4	*	0.0	3.4	*	0.0	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	91
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	93
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	70
Licensed Practical Nurses	37

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ELMER COMMUNITY HOSPITAL

Medicare Provider Number: 310069

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	923	8.9	8.6	1.1	13.4	13.2	1.1	17.7	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	27	44.4	33.4	*	48.1	37.2	*	48.1	41.1	*
Congestive Heart Failure	68	11.8	16.7	6.3	22.1	25.3	5.8	30.9	32.1	5.8
Pneumonia/Influenza	37	16.2	18.1	*	21.6	24.2	*	27.0	28.9	*
Chronic Obstructive Pulmonary Disease	20	0.0	5.2	*	0.0	9.6	*	10.0	13.4	*
Transient Cerebral Ischemia	15	0.0	2.0	*	0.0	4.5	*	6.7	7.2	*
Stroke	30	26.7	19.3	*	40.0	25.8	*	40.0	30.4	*
Hip Fracture	20	15.0	7.0	*	25.0	12.8	*	25.0	16.5	*
Sepsis	2	50.0	16.9	*	50.0	20.4	*	50.0	24.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.3	*	0.0	4.8	*	0.0	7.4	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.5	*	0.0	5.5	*
Hip Replacement/Reconstruction	10	20.0	3.6	*	20.0	6.6	*	20.0	8.5	*
Open Reduction of Hip Fracture	11	9.1	5.7	*	27.3	10.6	*	27.3	13.9	*
Prostatectomy	27	3.7	0.8	*	3.7	2.0	*	3.7	3.3	*
Cholecystectomy	20	10.0	5.0	*	10.0	7.6	*	15.0	8.9	*
Hysterectomy	9	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	864	9.4	8.7	1.2	14.6	13.3	1.7	18.1	17.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	33	30.3	27.8	*	39.4	31.4	*	42.4	35.1	*
Congestive Heart Failure	50	22.0	16.7	*	34.0	25.3	*	40.0	32.4	*
Pneumonia/Influenza	31	16.1	19.4	*	22.6	25.4	*	32.3	30.1	*
Chronic Obstructive Pulmonary Disease	17	17.6	9.5	*	23.5	16.0	*	23.5	21.0	*
Transient Cerebral Ischemia	18	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	34	11.8	20.7	*	17.6	27.3	*	20.6	31.9	*
Hip Fracture	20	5.0	6.4	*	5.0	12.3	*	5.0	16.4	*
Sepsis	2	0.0	14.6	*	0.0	20.7	*	0.0	25.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.8	*	0.0	10.1	*	0.0	14.5	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	9	0.0	2.8	*	0.0	5.6	*	0.0	7.8	*
Open Reduction of Hip Fracture	11	0.0	6.2	*	0.0	12.7	*	0.0	17.4	*
Prostatectomy	22	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	12	8.3	3.6	*	16.7	6.2	*	16.7	7.7	*
Hysterectomy	9	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ENGLEWOOD HOSPITAL ASSOCIATION

350 Engle St
Englewood, NJ 07631

Medicare Provider Number: 310045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,781	8.1	9.8	1.8	13.8	15.0	1.5	17.3	19.1	2.4
CONDITIONS:										
Acute Myocardial Infarction	126	23.8	33.4	4.8	31.0	36.7	4.5	32.5	40.0	4.7
Congestive Heart Failure	214	11.7	16.9	3.1	18.2	26.0	4.5	24.3	33.2	4.9
Pneumonia/Influenza	89	19.1	17.8	4.4	20.2	24.0	5.7	23.6	28.9	7.4
Chronic Obstructive Pulmonary Disease	59	11.9	11.5	5.2	18.6	18.5	5.2	23.7	24.5	5.6
Transient Cerebral Ischemia	88	0.0	1.9	2.0	1.1	4.0	2.8	2.3	6.3	3.6
Stroke	192	15.1	23.0	4.1	25.0	29.6	3.8	29.2	34.2	3.9
Hip Fracture	79	7.6	6.9	3.7	16.5	12.1	6.2	19.0	15.5	7.1
Sepsis	27	44.4	34.1	*	59.3	44.1	*	59.3	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	3.1	*	0.0	6.3	*	0.0	9.2	*
Carotid Endarterectomy	15	6.7	1.7	*	13.3	3.5	*	13.3	5.4	*
Hip Replacement/Reconstruction	38	0.0	4.8	*	5.3	8.2	*	5.3	10.4	*
Open Reduction of Hip Fracture	31	9.7	6.2	*	19.4	11.4	*	22.6	15.0	*
Prostatectomy	144	0.7	1.1	1.3	0.7	2.5	2.2	2.8	4.2	2.8
Cholecystectomy	48	0.0	2.2	*	4.2	4.0	*	4.2	5.4	*
Hysterectomy	19	0.0	2.1	*	0.0	4.4	*	0.0	6.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	547
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	460
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	54
Registered Nurses	491
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ENGLEWOOD HOSPITAL ASSOCIATION

Medicare Provider Number: 310045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,941	8.0	8.0	0.5	13.1	12.3	0.8	16.5	15.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	143	25.9	30.0	4.3	32.9	33.7	4.1	34.3	37.7	4.5
Congestive Heart Failure	196	10.2	14.2	3.4	19.4	22.1	3.2	29.1	28.7	3.3
Pneumonia/Influenza	86	12.8	15.7	8.1	15.1	21.2	9.2	19.8	25.6	9.8
Chronic Obstructive Pulmonary Disease	19	10.5	10.6	*	26.3	16.2	*	31.6	21.2	*
Transient Cerebral Ischemia	100	1.0	1.9	1.6	3.0	4.1	2.3	5.0	6.5	2.9
Stroke	171	17.5	21.4	5.5	22.2	27.6	5.2	26.3	32.2	5.8
Hip Fracture	89	5.6	6.4	2.7	12.4	11.9	4.4	16.9	15.6	4.2
Sepsis	18	33.3	22.1	*	38.9	28.7	*	38.9	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	6.7	*	13.3	10.0	*	13.3	13.0	*
Carotid Endarterectomy	12	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	47	0.0	3.9	*	8.5	7.6	*	8.5	10.0	*
Open Reduction of Hip Fracture	40	5.0	5.7	*	10.0	11.0	*	17.5	14.8	*
Prostatectomy	133	1.5	0.9	1.0	1.5	2.1	1.4	3.0	3.6	1.7
Cholecystectomy	54	1.9	3.1	2.5	5.6	5.7	3.2	7.4	7.4	3.6
Hysterectomy	39	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,965	8.5	8.4	0.5	14.8	12.7	1.9	18.2	16.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	156	30.1	31.0	4.1	33.3	34.9	4.0	35.9	39.2	4.4
Congestive Heart Failure	198	10.1	14.2	3.4	22.2	21.8	3.0	27.3	28.3	3.3
Pneumonia/Influenza	84	15.5	15.4	4.3	22.6	20.7	4.7	25.0	25.1	4.7
Chronic Obstructive Pulmonary Disease	63	9.5	8.8	4.0	15.9	15.1	5.7	23.8	19.9	7.3
Transient Cerebral Ischemia	108	0.0	1.8	1.9	3.7	3.8	2.7	3.7	6.0	4.1
Stroke	167	17.4	24.1	4.6	28.7	31.0	3.7	31.7	35.8	4.2
Hip Fracture	98	8.2	5.5	5.3	13.3	10.2	4.9	17.3	13.5	5.7
Sepsis	20	35.0	27.1	*	45.0	34.3	*	50.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	0.0	2.1	*	3.0	4.2	*	3.0	6.3	*
Carotid Endarterectomy	12	0.0	1.5	*	8.3	2.9	*	8.3	4.2	*
Hip Replacement/Reconstruction	58	8.6	3.4	4.7	13.8	6.5	5.3	15.5	8.8	5.4
Open Reduction of Hip Fracture	37	5.4	4.7	*	10.8	9.0	*	16.2	12.1	*
Prostatectomy	153	2.0	0.9	1.7	7.8	2.2	2.5	8.5	3.7	2.3
Cholecystectomy	37	0.0	4.1	*	0.0	8.0	*	5.4	10.9	*
Hysterectomy	24	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FREEHOLD AREA HOSPITAL

Route 537 W Main St
Freehold, NJ 07728

Medicare Provider Number: 310111

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,137	9.2	10.6	0.9	14.7	16.0	1.0	18.7	20.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	74	25.7	29.5	7.8	31.1	33.0	8.2	32.4	36.5	9.1
Congestive Heart Failure	138	13.0	17.0	6.4	23.9	26.2	6.1	31.9	33.5	4.5
Pneumonia/Influenza	114	15.8	21.7	5.0	21.9	28.8	5.9	25.4	34.0	6.7
Chronic Obstructive Pulmonary Disease	21	4.8	10.7	*	28.6	17.5	*	33.3	23.3	*
Transient Cerebral Ischemia	40	2.5	2.1	*	5.0	4.8	*	7.5	7.6	*
Stroke	96	16.7	21.8	4.8	29.2	28.9	4.6	35.4	33.5	4.9
Hip Fracture	35	2.9	6.6	*	8.6	12.0	*	20.0	15.7	*
Sepsis	20	45.0	34.4	*	60.0	41.9	*	75.0	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	2.1	*	7.1	4.6	*	7.1	7.2	*
Carotid Endarterectomy	1	0.0	2.4	*	0.0	4.4	*	0.0	6.8	*
Hip Replacement/Reconstruction	19	0.0	2.8	*	10.5	5.5	*	21.1	7.7	*
Open Reduction of Hip Fracture	20	5.0	6.2	*	10.0	11.6	*	15.0	15.4	*
Prostatectomy	70	0.0	0.6	1.0	1.4	1.5	1.9	1.4	2.5	2.6
Cholecystectomy	65	3.1	4.5	3.2	9.2	8.2	4.6	13.8	10.6	6.8
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	240
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	156
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	233
Licensed Practical Nurses	76

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FREEHOLD AREA HOSPITAL

Medicare Provider Number: 310111

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,029	9.3	10.5	0.9	15.5	15.9	0.8	19.6	20.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	62	24.2	29.0	6.4	29.0	32.1	6.1	33.9	35.5	6.1
Congestive Heart Failure	112	14.3	17.5	6.7	22.3	26.2	6.6	30.4	33.2	5.6
Pneumonia/Influenza	109	9.2	19.4	5.1	21.1	25.6	4.6	25.7	30.3	4.7
Chronic Obstructive Pulmonary Disease	14	14.3	13.7	*	21.4	20.6	*	28.6	25.8	*
Transient Cerebral Ischemia	32	0.0	2.4	*	0.0	5.4	*	6.3	8.6	*
Stroke	85	16.5	21.8	6.0	27.1	28.6	6.0	28.2	33.2	7.7
Hip Fracture	57	3.5	6.8	5.2	7.0	12.3	8.2	10.5	15.9	9.6
Sepsis	13	30.8	31.4	*	30.8	42.7	*	46.2	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	13.2	*	14.3	19.7	*	14.3	25.6	*
Carotid Endarterectomy	2	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*
Hip Replacement/Reconstruction	27	0.0	2.4	*	0.0	4.6	*	7.4	6.1	*
Open Reduction of Hip Fracture	42	4.8	6.3	*	9.5	12.0	*	11.9	15.9	*
Prostatectomy	58	1.7	1.1	1.9	1.7	2.6	3.8	5.2	4.3	3.7
Cholecystectomy	39	2.6	2.7	*	5.1	4.8	*	7.7	6.2	*
Hysterectomy	7	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,978	10.3	10.8	2.8	15.6	15.8	3.3	20.1	19.6	3.4
CONDITIONS:										
Acute Myocardial Infarction	91	25.3	31.4	7.3	27.5	35.4	8.0	29.7	39.1	8.5
Congestive Heart Failure	105	13.3	18.1	5.1	23.8	27.0	4.7	36.2	34.3	4.7
Pneumonia/Influenza	104	15.4	19.5	5.4	19.2	26.2	6.1	28.8	31.4	4.9
Chronic Obstructive Pulmonary Disease	22	18.2	15.0	*	27.3	23.7	*	31.8	30.2	*
Transient Cerebral Ischemia	47	4.3	2.0	*	12.8	4.3	*	12.8	6.8	*
Stroke	75	22.7	21.7	5.2	30.7	28.8	5.5	34.7	33.3	5.6
Hip Fracture	50	6.0	6.3	*	12.0	11.5	*	16.0	15.1	*
Sepsis	22	40.9	22.6	*	45.5	30.9	*	50.0	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.7	*	25.0	6.0	*	33.3	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	5.6	*	8.7	10.4	*	8.7	13.5	*
Open Reduction of Hip Fracture	27	7.4	5.1	*	11.1	10.0	*	14.8	13.6	*
Prostatectomy	69	0.0	1.2	1.8	1.4	3.0	3.0	1.4	4.8	4.1
Cholecystectomy	56	10.7	3.6	4.1	12.5	6.0	5.5	14.3	7.3	5.9
Hysterectomy	8	0.0	2.3	*	12.5	5.3	*	12.5	9.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

West Main Street 45.2
Freehold, NJ 07728
Tel: (908) 780-6131
(908) 431-2000

CentraState
Medical Center

William J. Kane, M.D.
Executive Vice President,
Chief Operating Officer

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Building
Baltimore, Maryland, 21207

RE: Medicare Provider #310111

Dear Mrs. Kappert:

Thank you for the opportunity to respond to HCFA's current release of data on hospital mortality rates.

We would like to note that our actual mortality rate for "all cases" was well below the predicted.

We will limit our comments to mortality within 30 days, since extended periods bring into effect so many factors outside the hospital that no realistic conclusions can be drawn.

The statement made by HCFA that "the number of cases or deaths in (some) categories is too small to permit satisfactory estimation of the standard deviation" is key. We would like to further emphasize this, noting that in such categories, one mortality one way or the other would completely and dramatically change the conclusion -- therefore these categories should be ignored.

Again, thank you for the opportunity to present this response.

Yours truly,

William J Kane

William J. Kane, M.D.
Executive Vice President &
Chief Operating Officer

WK/jg

GENERAL HOSPITAL CENTER AT PASSAIC

350 Boulevard
Passaic, NJ 07055

Medicare Provider Number: 310077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,822	7.7	8.0	0.7	12.1	12.0	1.0	14.7	15.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	81	30.9	28.5	6.1	33.3	31.4	5.5	34.6	34.6	5.3
Congestive Heart Failure	146	16.4	15.2	3.4	22.6	23.3	3.7	26.0	30.1	4.9
Pneumonia/Influenza	46	13.0	15.5	*	23.9	21.0	*	30.4	25.5	*
Chronic Obstructive Pulmonary Disease	23	8.7	9.0	*	13.0	14.9	*	21.7	20.2	*
Transient Cerebral Ischemia	58	0.0	1.9	3.7	6.9	4.3	4.2	10.3	6.9	5.6
Stroke	106	21.7	20.1	4.6	28.3	26.7	4.4	30.2	31.0	4.7
Hip Fracture	38	7.9	6.6	*	15.8	11.7	*	18.4	15.0	*
Sepsis	15	20.0	25.3	*	20.0	33.9	*	33.3	40.1	*
PROCEDURES:										
Angioplasty	94	3.2	1.9	1.5	5.3	2.5	2.0	5.3	3.3	2.3
Coronary Artery Bypass Graft	118	8.5	6.1	3.7	12.7	8.8	4.0	12.7	10.4	3.7
Initial Pacemaker Insertion	22	0.0	2.9	*	4.5	5.3	*	9.1	7.6	*
Carotid Endarterectomy	16	6.3	1.1	*	6.3	1.9	*	6.3	2.8	*
Hip Replacement/Reconstruction	26	11.5	3.2	*	15.4	6.5	*	15.4	9.0	*
Open Reduction of Hip Fracture	26	3.8	6.0	*	11.5	10.8	*	15.4	13.9	*
Prostatectomy	152	0.7	1.2	1.4	2.0	2.8	2.0	3.3	4.5	2.6
Cholecystectomy	57	1.8	2.7	3.6	7.0	4.7	4.5	8.8	6.1	4.9
Hysterectomy	28	0.0	1.2	*	3.6	2.6	*	3.6	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	291
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	253
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	307
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GENERAL HOSPITAL CENTER AT PASSAIC

Medicare Provider Number: 310077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,649	8.0	8.2	1.0	11.9	12.5	1.1	15.3	15.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	69	31.9	33.1	6.1	39.1	36.5	6.1	46.4	40.1	6.8
Congestive Heart Failure	120	22.5	18.2	7.4	31.7	27.0	6.6	37.5	33.9	5.6
Pneumonia/Influenza	43	18.6	16.6	*	25.6	22.1	*	27.9	26.7	*
Chronic Obstructive Pulmonary Disease	29	3.4	8.8	*	13.8	15.7	*	17.2	21.4	*
Transient Cerebral Ischemia	50	4.0	2.2	*	6.0	4.6	*	8.0	7.2	*
Stroke	93	17.2	22.3	7.6	25.8	28.8	8.9	29.0	33.3	8.2
Hip Fracture	48	4.2	6.3	*	6.3	11.5	*	10.4	14.8	*
Sepsis	20	45.0	28.0	*	50.0	35.1	*	70.0	41.1	*
PROCEDURES:										
Angioplasty	54	1.9	2.8	3.0	1.9	3.7	3.3	1.9	4.8	3.9
Coronary Artery Bypass Graft	127	11.0	6.8	3.6	14.2	9.3	4.3	15.7	10.9	4.6
Initial Pacemaker Insertion	18	11.1	3.3	*	16.7	6.3	*	16.7	9.5	*
Carotid Endarterectomy	15	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	32	3.1	2.3	*	3.1	4.5	*	3.1	6.0	*
Open Reduction of Hip Fracture	28	3.6	6.6	*	7.1	12.5	*	14.3	16.5	*
Prostatectomy	117	0.9	1.1	1.0	1.7	2.8	1.7	4.3	4.6	2.0
Cholecystectomy	42	4.8	2.9	*	4.8	5.4	*	7.1	7.2	*
Hysterectomy	24	0.0	0.6	*	4.2	1.3	*	8.3	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,501	8.3	8.6	2.0	12.6	13.1	2.7	15.5	16.5	3.7
CONDITIONS:										
Acute Myocardial Infarction	87	29.9	30.3	5.7	32.2	33.6	7.1	33.3	37.1	9.0
Congestive Heart Failure	133	21.1	17.5	6.1	30.8	26.1	6.6	37.6	33.1	6.6
Pneumonia/Influenza	44	13.6	20.0	*	22.7	27.0	*	22.7	32.3	*
Chronic Obstructive Pulmonary Disease	17	17.6	15.6	*	23.5	26.1	*	23.5	33.6	*
Transient Cerebral Ischemia	53	0.0	2.1	2.6	0.0	4.5	4.3	1.9	7.1	4.8
Stroke	100	15.0	20.3	6.0	20.0	26.6	5.5	28.0	30.8	4.8
Hip Fracture	57	7.0	7.5	4.0	8.8	13.1	6.2	8.8	16.6	7.5
Sepsis	10	30.0	23.2	*	40.0	31.0	*	50.0	37.0	*
PROCEDURES:										
Angioplasty	44	2.3	2.8	*	4.5	3.7	*	6.8	4.8	*
Coronary Artery Bypass Graft	115	10.4	7.0	4.1	11.3	9.5	3.5	12.2	11.0	3.1
Initial Pacemaker Insertion	16	6.3	5.4	*	12.5	9.3	*	12.5	12.4	*
Carotid Endarterectomy	13	7.7	1.6	*	7.7	3.0	*	7.7	4.3	*
Hip Replacement/Reconstruction	30	6.7	3.8	*	6.7	7.3	*	6.7	9.6	*
Open Reduction of Hip Fracture	33	6.1	7.3	*	9.1	13.2	*	9.1	16.9	*
Prostatectomy	116	1.7	1.8	2.4	6.9	4.2	2.7	8.6	6.7	3.0
Cholecystectomy	44	2.3	2.6	*	9.1	4.5	*	9.1	5.6	*
Hysterectomy	25	0.0	1.0	*	0.0	2.3	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GREENVILLE HOSPITAL

1825 Kennedy Blvd
Jersey City, NJ 07305

Medicare Provider Number: 310105

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	578	10.7	10.0	2.4	15.9	15.0	2.9	21.1	19.0	4.1
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	28.1	*	27.3	31.3	*	27.3	34.6	*
Congestive Heart Failure	45	11.1	14.8	*	15.6	22.6	*	31.1	29.2	*
Pneumonia/Influenza	31	12.9	16.8	*	22.6	22.6	*	22.6	27.3	*
Chronic Obstructive Pulmonary Disease	20	5.0	7.3	*	10.0	12.4	*	20.0	16.9	*
Transient Cerebral Ischemia	23	0.0	2.3	*	0.0	5.1	*	4.3	8.1	*
Stroke	24	16.7	18.4	*	16.7	25.7	*	25.0	30.3	*
Hip Fracture	9	11.1	7.9	*	11.1	14.3	*	11.1	18.5	*
Sepsis	10	50.0	31.1	*	60.0	38.7	*	70.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.5	*	11.1	6.8	*	11.1	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.5	*	0.0	8.0	*	0.0	10.2	*
Open Reduction of Hip Fracture	3	33.3	10.1	*	33.3	20.1	*	33.3	27.3	*
Prostatectomy	8	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*
Cholecystectomy	7	0.0	1.2	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy	2	0.0	3.0	*	0.0	6.3	*	0.0	8.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	86
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	181
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREENVILLE HOSPITAL

Medicare Provider Number: 310105

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	633	9.3	9.5	1.3	14.5	14.1	1.5	18.5	17.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	19	78.9	33.3	*	78.9	36.1	*	78.9	39.6	*
Congestive Heart Failure	42	19.0	17.5	*	28.6	25.8	*	40.5	32.7	*
Pneumonia/Influenza	24	12.5	18.6	*	20.8	24.2	*	33.3	28.7	*
Chronic Obstructive Pulmonary Disease	25	16.0	11.0	*	16.0	17.9	*	20.0	23.3	*
Transient Cerebral Ischemia	16	0.0	2.0	*	0.0	4.3	*	6.3	6.8	*
Stroke	32	6.3	17.0	*	15.6	24.4	*	28.1	29.2	*
Hip Fracture	12	16.7	7.4	*	16.7	13.0	*	16.7	16.4	*
Sepsis	1	0.0	63.8	*	100.0	72.5	*	100.0	78.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	8.0	*	40.0	11.6	*	40.0	14.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	5.5	*	20.0	12.1	*	20.0	17.5	*
Open Reduction of Hip Fracture	7	14.3	6.5	*	14.3	11.9	*	14.3	15.2	*
Prostatectomy	9	0.0	1.1	*	0.0	2.7	*	0.0	4.6	*
Cholecystectomy	7	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	625	8.2	9.7	2.3	13.3	14.3	2.0	17.1	18.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	30.9	*	36.4	33.8	*	40.9	37.1	*
Congestive Heart Failure	59	20.3	16.6	7.7	32.2	24.5	9.9	39.0	31.0	10.5
Pneumonia/Influenza	20	15.0	18.0	*	20.0	24.0	*	30.0	29.0	*
Chronic Obstructive Pulmonary Disease	20	0.0	14.9	*	10.0	22.6	*	15.0	28.5	*
Transient Cerebral Ischemia	33	0.0	2.1	*	0.0	4.6	*	0.0	7.4	*
Stroke	21	9.5	21.5	*	9.5	29.5	*	19.0	34.4	*
Hip Fracture	7	0.0	7.8	*	0.0	13.9	*	14.3	17.9	*
Sepsis	4	25.0	19.6	*	25.0	25.7	*	50.0	30.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	3.8	*	20.0	7.8	*	40.0	11.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.1	*	0.0	5.5	*	0.0	7.2	*
Open Reduction of Hip Fracture	5	0.0	5.6	*	0.0	9.9	*	0.0	12.6	*
Prostatectomy	16	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	8	0.0	3.4	*	12.5	5.1	*	12.5	6.0	*
Hysterectomy	1	0.0	1.1	*	0.0	1.8	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HACKENSACK MEDICAL CENTER

22 Hospital Place
Hackensack, NJ 07601

Medicare Provider Number: 310001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,773	8.4	9.1	1.0	13.1	13.7	1.0	16.9	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	164	22.6	29.0	5.9	24.4	32.0	6.6	27.4	35.3	7.1
Congestive Heart Failure	258	17.4	15.6	3.4	26.7	23.9	4.0	33.7	30.8	5.2
Pneumonia/Influenza	139	20.1	20.1	3.5	26.6	27.0	3.8	32.4	32.1	4.4
Chronic Obstructive Pulmonary Disease	35	17.1	11.9	*	25.7	19.0	*	31.4	24.8	*
Transient Cerebral Ischemia	64	0.0	1.9	2.6	1.6	4.1	3.9	6.3	6.5	3.5
Stroke	173	12.7	22.5	4.6	19.7	29.4	4.8	22.5	33.8	5.3
Hip Fracture	93	7.5	6.8	3.2	11.8	11.8	3.4	17.2	15.1	5.0
Sepsis	33	27.3	30.8	*	39.4	38.6	*	54.5	44.8	*
PROCEDURES:										
Angioplasty	125	0.8	3.0	2.3	0.8	3.9	2.6	0.8	5.0	3.3
Coronary Artery Bypass Graft	174	8.6	6.5	2.5	10.9	9.2	2.5	10.9	10.9	2.4
Initial Pacemaker Insertion	51	3.9	6.4	4.5	9.8	11.5	5.8	13.7	15.4	5.2
Carotid Endarterectomy	15	0.0	1.6	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	85	4.7	2.8	2.8	5.9	5.2	2.9	8.2	6.9	3.1
Open Reduction of Hip Fracture	48	6.3	6.5	*	14.6	11.8	*	22.9	15.2	*
Prostatectomy	199	0.5	1.5	1.2	3.0	3.1	1.4	4.0	5.0	1.9
Cholecystectomy	92	7.6	4.1	4.4	8.7	7.4	5.2	12.0	9.5	5.6
Hysterectomy	41	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	523
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	527
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	60
Registered Nurses	729
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HACKENSACK MEDICAL CENTER

Medicare Provider Number: 310001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,767	8.5	9.0	0.5	13.4	13.6	0.6	17.0	17.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	146	30.8	30.6	5.7	36.3	34.1	5.7	38.4	37.8	6.1
Congestive Heart Failure	237	15.2	17.0	4.4	22.4	25.6	4.2	30.8	32.6	3.6
Pneumonia/Influenza	130	19.2	19.2	3.5	24.6	25.5	4.0	30.0	30.4	4.1
Chronic Obstructive Pulmonary Disease	33	9.1	16.9	*	21.2	25.0	*	27.3	31.0	*
Transient Cerebral Ischemia	64	1.6	1.9	1.8	4.7	4.2	2.6	7.8	6.5	3.5
Stroke	185	15.1	20.4	4.9	23.2	27.1	4.1	27.6	31.6	4.3
Hip Fracture	89	10.1	7.0	3.4	19.1	12.3	5.6	21.3	15.6	6.4
Sepsis	32	21.9	33.0	*	37.5	43.1	*	53.1	49.7	*
PROCEDURES:										
Angioplasty	100	2.0	2.9	2.3	2.0	4.0	2.9	2.0	5.2	3.5
Coronary Artery Bypass Graft	144	11.1	7.2	3.3	15.3	10.1	4.2	16.0	12.0	4.4
Initial Pacemaker Insertion	72	15.3	8.1	4.7	19.4	11.8	5.3	20.8	14.9	5.1
Carotid Endarterectomy	19	0.0	1.4	*	5.3	2.5	*	5.3	3.6	*
Hip Replacement/Reconstruction	60	3.3	3.9	3.0	11.7	7.1	3.9	16.7	9.2	5.4
Open Reduction of Hip Fracture	43	14.0	6.3	*	18.6	11.4	*	18.6	14.6	*
Prostatectomy	218	1.4	0.9	1.4	4.1	2.1	1.2	5.0	3.5	1.5
Cholecystectomy	92	3.3	4.2	2.2	4.3	7.8	4.0	6.5	10.4	5.1
Hysterectomy	33	0.0	1.2	*	0.0	2.0	*	0.0	2.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,546	9.3	9.3	0.4	14.1	13.9	1.0	17.5	17.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	190	23.7	29.6	5.7	25.3	32.6	6.2	28.4	35.8	6.6
Congestive Heart Failure	249	19.3	17.8	3.1	29.7	26.2	4.5	36.5	33.1	4.6
Pneumonia/Influenza	127	16.5	19.7	4.0	26.8	26.1	3.9	32.3	31.0	4.2
Chronic Obstructive Pulmonary Disease	48	12.5	14.4	*	25.0	21.8	*	31.2	27.2	*
Transient Cerebral Ischemia	81	1.2	1.9	1.8	4.9	4.1	2.3	6.2	6.3	2.7
Stroke	177	20.3	25.0	4.7	31.1	32.1	3.8	36.7	36.6	3.7
Hip Fracture	95	4.2	7.1	3.2	13.7	12.5	3.5	17.9	15.9	4.3
Sepsis	23	30.4	34.8	*	30.4	45.0	*	39.1	51.8	*
PROCEDURES:										
Angioplasty	38	5.3	3.4	*	5.3	4.2	*	5.3	5.2	*
Coronary Artery Bypass Graft	133	9.8	6.5	2.8	10.5	8.9	3.4	13.5	10.4	3.2
Initial Pacemaker Insertion	40	7.5	4.3	*	10.0	7.9	*	12.5	11.0	*
Carotid Endarterectomy	13	0.0	1.5	*	7.7	2.6	*	7.7	3.8	*
Hip Replacement/Reconstruction	59	1.7	3.7	2.8	6.8	7.1	3.4	11.9	9.5	4.3
Open Reduction of Hip Fracture	50	4.0	6.5	*	12.0	11.9	*	14.0	15.3	*
Prostatectomy	220	2.3	1.3	1.2	3.2	3.0	1.5	5.9	4.9	2.1
Cholecystectomy	75	1.3	3.7	3.3	4.0	6.8	4.2	8.0	9.0	4.1
Hysterectomy	40	0.0	1.9	*	0.0	3.0	*	0.0	3.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

Hackensack Medical Center
30 Prospect Avenue Hackensack, NJ 07601 201 . 441 . 2000
Affiliated with the University of Medicine and Dentistry of New Jersey

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

The following is our response to the 1989 HCFA Mortality Data Release for Hackensack Medical Center:

We note that our observed mortality rate falls below the predicted rate in all three time frames for all causes category. The individual breakouts for conditions and procedures are, similarly, well within the predicted rate.

Be advised that we do not rely solely on mortality data to evaluate quality of care at our institution. Our confidence in the high quality of care we provide is derived from our own internal quality assurance program which is comprehensive and ongoing.

Thank you.

Very truly yours,

John P. Ferguson, President
Chief Executive Officer

JPF/psj

HACKETTSTOWN COMMUNITY HOSPITAL

651 Willow Grove St
Hackettstown, NJ 07840

Medicare Provider Number: 310115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	801	12.2	10.0	3.9	18.5	15.4	4.7	21.5	19.7	4.1
CONDITIONS:										
Acute Myocardial Infarction	24	41.7	27.4	*	45.8	32.5	*	50.0	36.7	*
Congestive Heart Failure	50	12.0	18.6	*	32.0	28.2	*	36.0	35.9	*
Pneumonia/Influenza	55	23.6	20.3	6.4	29.1	27.1	6.2	29.1	32.5	6.5
Chronic Obstructive Pulmonary Disease	11	27.3	10.1	*	27.3	17.2	*	36.4	23.3	*
Transient Cerebral Ischemia	23	0.0	1.8	*	4.3	4.2	*	13.0	6.9	*
Stroke	29	27.6	22.3	*	41.4	29.2	*	44.8	34.0	*
Hip Fracture	40	2.5	6.4	*	7.5	11.7	*	7.5	15.5	*
Sepsis	12	25.0	31.4	*	50.0	38.7	*	58.3	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	3.9	*	11.8	8.0	*	11.8	12.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.8	*	0.0	6.0	*	0.0	8.8	*
Open Reduction of Hip Fracture	30	3.3	5.7	*	3.3	11.0	*	3.3	14.7	*
Prostatectomy	22	4.5	0.9	*	13.6	2.3	*	13.6	3.9	*
Cholecystectomy	17	0.0	1.2	*	0.0	2.2	*	0.0	3.0	*
Hysterectomy	7	0.0	1.3	*	0.0	3.1	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	106
Occupancy Rate	63
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	104
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HACKETTSTOWN COMMUNITY HOSPITAL

Medicare Provider Number: 310115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	757	9.5	10.3	1.2	15.9	15.5	1.3	21.9	19.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	33	12.1	24.4	*	15.2	28.8	*	18.2	32.8	*
Congestive Heart Failure	44	4.5	16.7	*	22.7	25.0	*	36.4	31.8	*
Pneumonia/Influenza	51	29.4	18.5	8.3	41.2	24.9	10.0	43.1	29.7	9.2
Chronic Obstructive Pulmonary Disease	11	18.2	12.0	*	18.2	19.6	*	18.2	25.9	*
Transient Cerebral Ischemia	26	3.8	2.0	*	3.8	4.6	*	7.7	7.3	*
Stroke	39	17.9	22.4	*	33.3	29.6	*	46.2	34.6	*
Hip Fracture	25	8.0	7.0	*	8.0	12.4	*	16.0	15.8	*
Sepsis	4	0.0	25.6	*	0.0	32.7	*	0.0	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.7	*	0.0	4.7	*	0.0	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.5	*	0.0	7.1	*	16.7	9.8	*
Open Reduction of Hip Fracture	20	10.0	6.2	*	10.0	11.5	*	15.0	14.9	*
Prostatectomy	26	3.8	2.4	*	7.7	6.0	*	23.1	9.9	*
Cholecystectomy	22	0.0	4.8	*	9.1	8.5	*	18.2	10.5	*
Hysterectomy	7	14.3	3.6	*	28.6	7.6	*	28.6	11.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	750	11.5	11.0	1.4	15.7	16.4	1.5	20.3	20.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	34.1	*	33.3	37.8	*	37.0	41.9	*
Congestive Heart Failure	46	8.7	19.5	*	17.4	29.5	*	23.9	37.4	*
Pneumonia/Influenza	53	22.6	18.5	7.6	26.4	24.9	8.7	34.0	30.0	9.2
Chronic Obstructive Pulmonary Disease	6	0.0	12.7	*	0.0	21.4	*	33.3	28.1	*
Transient Cerebral Ischemia	28	7.1	2.3	*	7.1	4.9	*	7.1	7.8	*
Stroke	40	25.0	27.3	*	35.0	35.0	*	42.5	40.1	*
Hip Fracture	20	10.0	8.1	*	10.0	13.8	*	20.0	17.5	*
Sepsis	4	25.0	23.2	*	50.0	30.1	*	50.0	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.5	*	12.5	10.6	*	12.5	15.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	8.5	*	0.0	14.5	*	0.0	18.0	*
Open Reduction of Hip Fracture	17	5.9	6.8	*	5.9	12.0	*	17.6	15.4	*
Prostatectomy	32	0.0	1.2	*	3.1	3.0	*	3.1	5.1	*
Cholecystectomy	18	11.1	2.9	*	11.1	5.2	*	11.1	6.6	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HAMILTON HOSPITAL

1881 Whitehorse-Hamilton Square Rd
Trenton, NJ 08609

Medicare Provider Number: 310110

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,535	9.7	8.9	1.1	14.9	13.6	1.4	19.0	17.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	41	36.6	29.1	*	43.9	32.2	*	48.8	35.5	*
Congestive Heart Failure	89	15.7	16.1	4.0	25.8	25.0	4.6	33.7	32.0	5.2
Pneumonia/Influenza	76	21.1	18.3	5.0	26.3	24.4	7.4	38.2	29.3	8.0
Chronic Obstructive Pulmonary Disease	27	7.4	8.9	*	11.1	15.2	*	14.8	20.2	*
Transient Cerebral Ischemia	58	0.0	2.0	2.9	3.4	4.4	3.1	6.9	6.9	3.3
Stroke	70	25.7	19.8	5.3	35.7	26.1	6.8	38.6	30.3	7.6
Hip Fracture	24	8.3	8.4	*	16.7	14.5	*	16.7	18.2	*
Sepsis	12	41.7	35.2	*	41.7	43.8	*	50.0	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	3.4	*	5.3	7.5	*	10.5	11.2	*
Carotid Endarterectomy	14	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	15	6.7	4.5	*	20.0	8.4	*	20.0	10.9	*
Open Reduction of Hip Fracture	13	0.0	8.1	*	0.0	14.4	*	0.0	18.1	*
Prostatectomy	49	2.0	1.1	*	2.0	2.6	*	2.0	4.4	*
Cholecystectomy	27	3.7	1.5	*	3.7	2.5	*	3.7	3.2	*
Hysterectomy	8	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	166
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	162
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	129
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HAMILTON HOSPITAL

Medicare Provider Number: 310110

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,462	9.1	9.3	1.0	13.9	14.0	1.1	17.3	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	62	32.3	29.2	7.0	35.5	32.0	6.3	41.9	35.2	7.9
Congestive Heart Failure	102	17.6	15.4	4.3	27.5	23.5	7.1	33.3	30.3	5.9
Pneumonia/Influenza	70	21.4	17.2	6.5	24.3	23.0	5.3	28.6	27.7	5.4
Chronic Obstructive Pulmonary Disease	25	0.0	8.1	*	8.0	14.2	*	20.0	19.5	*
Transient Cerebral Ischemia	48	2.1	2.4	*	2.1	5.2	*	10.4	8.1	*
Stroke	60	23.3	21.6	6.9	30.0	28.4	6.8	35.0	33.0	6.6
Hip Fracture	34	2.9	7.3	*	11.8	12.9	*	14.7	16.3	*
Sepsis	13	46.2	36.1	*	46.2	44.5	*	46.2	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	6.1	*	28.6	9.5	*	42.9	12.9	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	16	0.0	4.2	*	6.3	7.7	*	12.5	9.9	*
Open Reduction of Hip Fracture	20	5.0	6.3	*	15.0	11.5	*	15.0	14.7	*
Prostatectomy	35	2.9	1.7	*	8.6	3.9	*	8.6	6.1	*
Cholecystectomy	32	0.0	1.9	*	0.0	3.3	*	0.0	4.3	*
Hysterectomy	8	0.0	0.4	*	0.0	1.0	*	0.0	1.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,379	9.1	9.2	1.5	14.4	13.9	1.4	18.1	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	51	19.6	30.2	8.1	23.5	33.6	7.8	27.5	37.2	8.2
Congestive Heart Failure	93	12.9	15.4	6.5	29.0	23.4	5.5	33.3	30.2	5.4
Pneumonia/Influenza	51	33.3	21.1	8.7	39.2	28.2	8.1	41.2	33.7	8.2
Chronic Obstructive Pulmonary Disease	37	13.5	15.4	*	24.3	24.3	*	27.0	30.4	*
Transient Cerebral Ischemia	43	2.3	2.0	*	2.3	4.4	*	7.0	6.8	*
Stroke	62	14.5	23.2	11.2	24.2	30.9	10.5	32.3	35.7	8.4
Hip Fracture	34	5.9	8.6	*	8.8	14.9	*	8.8	18.7	*
Sepsis	9	55.6	35.0	*	77.8	44.9	*	88.9	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	5.0	*	15.4	9.5	*	15.4	13.2	*
Carotid Endarterectomy	6	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	21	4.8	3.9	*	4.8	7.4	*	4.8	9.8	*
Open Reduction of Hip Fracture	20	5.0	7.9	*	10.0	14.0	*	10.0	17.7	*
Prostatectomy	36	0.0	2.1	*	8.3	5.2	*	11.1	8.2	*
Cholecystectomy	17	5.9	3.4	*	5.9	6.3	*	5.9	8.1	*
Hysterectomy	14	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HELENE FULD MEDICAL CENTER

750 Brunswick Ave
Trenton, NJ 08638

Medicare Provider Number: 310092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,102	8.5	8.7	0.7	14.3	13.2	1.6	18.1	16.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	78	24.4	27.8	8.6	29.5	31.1	9.3	30.8	34.4	8.5
Congestive Heart Failure	118	11.9	13.7	3.9	16.9	21.6	6.8	22.9	28.2	7.6
Pneumonia/Influenza	66	19.7	16.7	8.8	25.8	22.3	8.4	28.8	26.8	7.0
Chronic Obstructive Pulmonary Disease	34	8.8	12.3	*	17.6	19.6	*	26.5	25.5	*
Transient Cerebral Ischemia	50	4.0	1.9	*	8.0	4.2	*	12.0	6.6	*
Stroke	63	14.3	21.4	10.6	19.0	28.6	12.2	27.0	33.2	10.8
Hip Fracture	32	6.3	6.9	*	15.6	12.1	*	21.9	15.7	*
Sepsis	25	20.0	30.4	*	32.0	37.6	*	36.0	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	0.0	3.6	*	0.0	6.1	*	3.2	8.8	*
Carotid Endarterectomy	13	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction	13	0.0	4.1	*	0.0	7.6	*	0.0	10.0	*
Open Reduction of Hip Fracture	18	5.6	6.3	*	22.2	11.7	*	33.3	15.3	*
Prostatectomy	39	0.0	1.6	*	5.1	3.8	*	10.3	6.2	*
Cholecystectomy	23	0.0	1.9	*	0.0	3.2	*	0.0	4.3	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 342
Occupancy Rate 70
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 127
Percent of Physicians Board Certified Specialists 69
Medical Residents/Interns 30
Registered Nurses 256
Licensed Practical Nurses 70

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HELENE FULD MEDICAL CENTER

Medicare Provider Number: 310092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,150	9.2	9.0	0.7	15.3	13.7	1.2	18.9	17.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	68	20.6	27.8	6.7	25.0	31.0	6.4	25.0	34.5	8.1
Congestive Heart Failure	133	12.0	15.0	4.6	21.1	22.9	4.6	29.3	29.5	4.5
Pneumonia/Influenza	62	14.5	16.1	4.9	22.6	21.9	6.1	22.6	26.5	7.7
Chronic Obstructive Pulmonary Disease	24	12.5	8.0	*	16.7	13.1	*	16.7	17.3	*
Transient Cerebral Ischemia	47	6.4	2.3	*	8.5	4.8	*	12.8	7.3	*
Stroke	72	30.6	22.0	7.8	41.7	29.1	7.9	41.7	33.8	6.7
Hip Fracture	29	3.4	5.6	*	3.4	10.1	*	10.3	13.1	*
Sepsis	20	30.0	30.4	*	40.0	37.5	*	45.0	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	7.7	*	10.0	12.6	*	15.0	16.5	*
Carotid Endarterectomy	10	0.0	1.5	*	0.0	2.7	*	10.0	3.9	*
Hip Replacement/Reconstruction	11	9.1	4.0	*	9.1	7.4	*	9.1	9.6	*
Open Reduction of Hip Fracture	16	0.0	5.1	*	0.0	9.5	*	12.5	12.5	*
Prostatectomy	46	2.2	1.6	*	6.5	3.8	*	6.5	6.2	*
Cholecystectomy	27	3.7	3.4	*	11.1	6.0	*	11.1	7.6	*
Hysterectomy	5	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,038	7.6	9.2	0.8	13.4	14.1	1.7	17.9	17.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	66	31.8	28.6	7.0	34.8	31.7	6.6	34.8	34.9	5.9
Congestive Heart Failure	124	8.1	15.8	4.9	15.3	23.8	5.5	23.4	30.5	6.0
Pneumonia/Influenza	51	7.8	17.4	9.6	15.7	23.6	10.3	19.6	28.6	10.6
Chronic Obstructive Pulmonary Disease	21	19.0	11.1	*	28.6	17.7	*	33.3	22.6	*
Transient Cerebral Ischemia	44	4.5	2.1	*	6.8	4.4	*	11.4	7.0	*
Stroke	73	16.4	21.9	6.2	28.8	28.4	5.4	32.9	32.7	5.5
Hip Fracture	24	0.0	5.9	*	4.2	10.4	*	12.5	13.4	*
Sepsis	17	5.9	27.0	*	11.8	35.5	*	29.4	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	4.0	*	15.0	7.9	*	20.0	11.5	*
Carotid Endarterectomy	8	0.0	1.8	*	0.0	3.2	*	0.0	4.5	*
Hip Replacement/Reconstruction	14	0.0	8.8	*	7.1	13.0	*	14.3	16.1	*
Open Reduction of Hip Fracture	13	0.0	5.1	*	0.0	9.2	*	7.7	12.0	*
Prostatectomy	51	2.0	1.4	4.1	5.9	3.3	6.4	9.8	5.5	7.3
Cholecystectomy	24	4.2	5.0	*	12.5	7.3	*	16.7	8.5	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY NAME HOSPITAL

718 Teaneck Rd
Teaneck, NJ 07666

Medicare Provider Number: 310008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,268	9.3	8.6	0.8	14.1	13.3	1.6	17.8	17.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	89	30.3	27.5	6.3	33.7	31.3	6.4	37.1	34.9	5.9
Congestive Heart Failure	168	19.0	15.6	3.4	26.2	24.0	3.7	29.8	30.9	3.6
Pneumonia/Influenza	103	26.2	18.0	6.4	31.1	24.5	8.3	36.9	29.6	7.8
Chronic Obstructive Pulmonary Disease	56	10.7	12.3	5.0	21.4	20.0	5.5	32.1	26.0	6.8
Transient Cerebral Ischemia	63	1.6	1.9	1.8	3.2	4.1	2.9	4.8	6.4	4.4
Stroke	150	21.3	22.2	3.6	31.3	28.7	4.1	34.0	33.2	4.0
Hip Fracture	87	8.0	6.7	3.7	11.5	11.9	4.0	18.4	15.4	5.8
Sepsis	46	41.3	34.4	*	45.7	42.9	*	54.3	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	7.4	3.8	*	7.4	6.9	*	7.4	9.5	*
Carotid Endarterectomy	8	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	45	2.2	3.3	*	4.4	6.5	*	6.7	9.0	*
Open Reduction of Hip Fracture	56	7.1	6.2	4.2	10.7	11.3	4.4	21.4	14.7	6.2
Prostatectomy	111	0.0	1.3	1.7	1.8	2.9	1.8	1.8	4.7	2.7
Cholecystectomy	72	2.8	3.5	2.8	4.2	6.0	3.4	8.3	7.8	3.2
Hysterectomy	14	0.0	2.7	*	0.0	5.3	*	7.1	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 370
Occupancy Rate 74
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 355
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 0
Registered Nurses 183
Licensed Practical Nurses 32

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOLY NAME HOSPITAL

Medicare Provider Number: 310008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,323	9.8	9.1	0.6	15.3	13.9	0.9	19.4	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	97	34.0	31.2	6.8	39.2	34.6	7.2	42.3	38.1	6.9
Congestive Heart Failure	194	22.2	17.1	5.9	28.4	25.8	5.3	35.6	32.9	4.9
Pneumonia/Influenza	121	20.7	18.7	5.5	26.4	24.8	4.8	29.8	29.6	4.4
Chronic Obstructive Pulmonary Disease	55	9.1	11.1	6.2	18.2	18.2	6.2	21.8	23.9	6.4
Transient Cerebral Ischemia	55	0.0	2.0	2.6	1.8	4.5	3.6	1.8	7.0	5.6
Stroke	142	19.7	22.9	3.8	33.1	30.3	4.4	40.1	35.2	4.7
Hip Fracture	76	3.9	6.8	3.6	14.5	12.3	4.1	19.7	15.7	6.4
Sepsis	32	40.6	30.1	*	43.8	37.6	*	50.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	8.0	*	15.4	11.1	*	30.8	13.8	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	62	4.8	2.8	2.8	9.7	5.3	4.8	11.3	6.9	5.7
Open Reduction of Hip Fracture	46	2.2	5.7	*	13.0	10.9	*	19.6	14.4	*
Prostatectomy	130	2.3	1.1	1.3	3.1	2.7	1.5	4.6	4.4	1.8
Cholecystectomy	75	4.0	2.7	2.4	5.3	4.8	4.7	10.7	6.4	5.6
Hysterectomy	26	3.8	1.5	*	3.8	2.9	*	7.7	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,118	9.6	9.4	3.0	15.0	14.2	4.6	19.1	18.0	5.7
CONDITIONS:										
Acute Myocardial Infarction	117	30.8	34.0	6.9	36.8	37.4	6.0	39.3	41.1	4.8
Congestive Heart Failure	154	14.3	16.2	3.3	22.1	24.5	4.6	30.5	31.5	4.1
Pneumonia/Influenza	112	24.1	17.6	4.5	34.8	23.8	6.0	38.4	28.7	5.8
Chronic Obstructive Pulmonary Disease	39	15.4	13.6	*	28.2	22.0	*	41.0	28.5	*
Transient Cerebral Ischemia	66	0.0	2.2	3.1	1.5	4.9	5.0	7.6	7.8	4.2
Stroke	117	21.4	23.5	4.1	33.3	29.9	4.6	35.9	34.5	4.5
Hip Fracture	84	3.6	7.0	4.3	9.5	12.8	5.3	13.1	16.7	5.1
Sepsis	40	27.5	30.4	*	37.5	38.8	*	40.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	0.0	3.1	*	3.2	6.7	*	6.5	10.4	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	56	3.6	3.9	2.8	7.1	7.6	3.7	10.7	10.2	4.1
Open Reduction of Hip Fracture	38	0.0	6.2	*	5.3	11.9	*	5.3	15.9	*
Prostatectomy	122	1.6	1.2	1.8	4.9	3.0	3.0	7.4	5.0	3.7
Cholecystectomy	62	0.0	2.9	3.4	4.8	5.2	2.9	6.5	6.6	3.3
Hysterectomy	29	0.0	0.6	*	0.0	1.3	*	3.4	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

59.1

Provider No.: 310008

HOLY NAME HOSPITAL

January 8, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Holy Name Hospital has received and reviewed the mortality data forwarded to us by your Agency. We welcome your interest in the quality of care rendered to Medicare patients. The quality of care provided to all of Holy Name's patients, regardless of payor source, has been of longstanding importance to our Administration, Board of Trustees and Medical Staff.

The effectiveness of this commitment was recognized by the Joint Commission on Accreditation of Healthcare Organizations at their recent survey of Holy Name. We are among a small number of hospitals who have received an official commendation from the JCAHO for outstanding performance in establishing sound internal processes to support the provision of quality care. A copy of the Joint Commissions letter of commendation is appended as page 2 of this letter.

We would however, like to voice our concern that the change in your reporting of "predicted" mortality rates from a range (as in prior years) to a single point value may cause unnecessary confusion on the part of individuals interpreting the data. We have carried out the calculations necessary to develop a statistically valid expected range for HNH data, and these calculations bear out that our rates are, as in previous years, within such a predicted range.

We share with you a concern for the delivery of high quality care to all of our patients. This commitment continues to be the highest priority for all of us at Holy Name Hospital.

Sincerely,

Sister Patricia Lynch.

Sister Patricia Lynch, CSJP
President

SPL:tc

718 Teaneck Road
Teaneck, NJ 07666
201/833-3000



Joint Commission
on Accreditation of Healthcare Organizations

July 13, 1990

Sr. Patricia Lynch, CSJP
Chief Executive Officer
Holy Name Hospital
718 Teaneck Road
Teaneck, NJ 07666

Dear Sr. Patricia Lynch:

On behalf of the Joint Commission, I am writing to convey our official commendation to Holy Name Hospital for the outstanding organizational performance reflected by your recent accreditation survey and award.

Our review of your survey report indicates that Holy Name Hospital has received an overall accreditation grid score of 90 or above (out of a possible 100) which places your organization among the most effective accredited organizations. The key performance areas that are evaluated by the Joint Commission place primary emphasis on an organization's effectiveness in reviewing patient care and establishing sound internal processes to support the provision of quality care.

You and your organization may take great pride in this achievement. We are confident that you will direct timely attention to any outstanding Type I recommendations that your organization may have. Your organization's compliance with Joint Commission standards demonstrates your high level of commitment to the pursuit of excellence in patient care.

We wish you and your staff continued success.

Sincerely,

Dennis S. O'Leary, M.D.
President

DSO:cjw

cc: John Clem, Director, Hospital Accreditation Program
Matis Fermaglich, MD, President, Medical Staff
J. Kenneth Kilcarr, Chairman, Governing Body

RECEIVED
16 1990
HNH ADMINISTRATION

One Renaissance Boulevard
Oakbrook Terrace, IL 60181
708 916-5600

Member Organizations
American College of Physicians
American College of Surgeons
American Dental Association
American Hospital Association
American Medical Association

HOSPITAL CENTER AT ORANGE

188 S Essex Ave
Orange, NJ 07050

Medicare Provider Number: 310078

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,523	7.2	6.8	1.8	13.6	10.9	4.3	17.7	14.3	5.4
CONDITIONS:										
Acute Myocardial Infarction	27	33.3	24.4	*	37.0	27.3	*	40.7	30.6	*
Congestive Heart Failure	88	8.0	12.0	3.9	19.3	19.0	4.5	29.5	24.9	5.0
Pneumonia/Influenza	35	34.3	16.3	*	45.7	22.3	*	48.6	26.9	*
Chronic Obstructive Pulmonary Disease	40	2.5	9.0	*	15.0	16.0	*	20.0	21.7	*
Transient Cerebral Ischemia	34	2.9	1.6	*	2.9	3.4	*	5.9	5.3	*
Stroke	48	20.8	19.0	*	29.2	26.1	*	35.4	30.5	*
Hip Fracture	41	7.3	5.8	*	14.6	10.7	*	17.1	14.0	*
Sepsis	15	20.0	28.8	*	46.7	35.8	*	53.3	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.1	*	13.3	6.5	*	13.3	9.6	*
Carotid Endarterectomy	3	0.0	2.9	*	0.0	6.8	*	0.0	11.1	*
Hip Replacement/Reconstruction	37	0.0	1.3	*	2.7	2.4	*	2.7	3.4	*
Open Reduction of Hip Fracture	23	4.3	4.8	*	4.3	9.0	*	4.3	11.9	*
Prostatectomy	61	1.6	1.0	2.0	4.9	2.4	2.5	6.6	4.1	3.6
Cholecystectomy	20	5.0	1.6	*	5.0	2.7	*	15.0	3.5	*
Hysterectomy	9	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 298
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 320
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns 0
Registered Nurses 193
Licensed Practical Nurses 25

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL CENTER AT ORANGE

Medicare Provider Number: 310078

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,465	5.9	7.5	0.8	12.5	11.6	1.2	16.6	15.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	30	10.0	26.1	*	20.0	29.2	*	23.3	32.6	*
Congestive Heart Failure	89	12.4	12.9	3.7	22.5	20.0	4.7	29.2	26.2	5.6
Pneumonia/Influenza	27	14.8	20.4	*	40.7	27.2	*	48.1	32.5	*
Chronic Obstructive Pulmonary Disease	37	10.8	9.3	*	16.2	15.5	*	21.6	20.8	*
Transient Cerebral Ischemia	21	0.0	2.5	*	9.5	5.6	*	9.5	8.9	*
Stroke	46	19.6	22.5	*	30.4	28.6	*	37.0	33.0	*
Hip Fracture	29	6.9	6.4	*	10.3	11.7	*	17.2	15.3	*
Sepsis	25	8.0	26.0	*	32.0	32.9	*	36.0	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	6.2	*	6.7	10.0	*	6.7	13.3	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	44	2.3	1.9	*	2.3	3.6	*	2.3	5.0	*
Open Reduction of Hip Fracture	18	5.6	6.8	*	11.1	12.8	*	22.2	16.6	*
Prostatectomy	73	1.4	1.1	1.4	5.5	2.8	3.5	5.5	4.6	2.6
Cholecystectomy	22	0.0	1.7	*	0.0	3.1	*	0.0	4.2	*
Hysterectomy	11	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,338	9.3	9.1	1.9	16.1	13.8	1.9	20.3	17.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	30.7	*	25.7	33.8	*	25.7	37.0	*
Congestive Heart Failure	84	17.9	16.0	4.1	31.0	24.8	7.3	44.0	31.9	7.4
Pneumonia/Influenza	34	29.4	18.8	*	41.2	25.1	*	41.2	30.2	*
Chronic Obstructive Pulmonary Disease	31	3.2	12.8	*	16.1	21.2	*	22.6	27.0	*
Transient Cerebral Ischemia	36	0.0	2.1	*	2.8	4.3	*	2.8	6.8	*
Stroke	60	23.3	21.7	6.2	35.0	28.7	6.5	40.0	33.2	6.9
Hip Fracture	32	0.0	6.6	*	18.8	12.2	*	25.0	15.9	*
Sepsis	13	15.4	37.5	*	23.1	45.1	*	38.5	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.5	*	8.3	9.6	*	16.7	14.1	*
Carotid Endarterectomy	2	0.0	2.3	*	0.0	5.7	*	0.0	9.5	*
Hip Replacement/Reconstruction	29	0.0	4.1	*	10.3	7.8	*	17.2	10.4	*
Open Reduction of Hip Fracture	14	0.0	5.8	*	28.6	10.9	*	35.7	14.2	*
Prostatectomy	49	2.0	1.2	*	6.1	3.0	*	6.1	4.9	*
Cholecystectomy	11	0.0	3.6	*	0.0	5.7	*	0.0	7.3	*
Hysterectomy	3	0.0	7.4	*	0.0	11.5	*	0.0	14.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HUNTERDON MEDICAL CENTER

Rt 31
Flemington, NJ 08822

Medicare Provider Number: 310005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,371	9.3	9.6	0.9	15.0	14.7	1.0	18.9	18.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	64	15.6	26.9	10.0	18.8	29.9	10.2	21.9	33.1	9.8
Congestive Heart Failure	67	14.9	15.0	4.9	26.9	23.3	5.6	38.8	30.2	7.4
Pneumonia/Influenza	104	13.5	17.0	5.7	19.2	23.4	5.8	26.0	28.3	5.6
Chronic Obstructive Pulmonary Disease	16	18.8	6.0	*	18.8	11.0	*	25.0	15.5	*
Transient Cerebral Ischemia	24	0.0	2.3	*	4.2	5.2	*	4.2	8.4	*
Stroke	68	16.2	19.9	6.8	22.1	26.6	9.6	25.0	31.0	9.1
Hip Fracture	40	7.5	7.2	*	12.5	12.5	*	17.5	16.0	*
Sepsis	15	13.3	23.8	*	13.3	33.1	*	20.0	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.9	*	8.3	10.5	*	25.0	14.4	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.4	*	0.0	2.1	*
Hip Replacement/Reconstruction	21	4.8	4.0	*	9.5	7.0	*	9.5	9.0	*
Open Reduction of Hip Fracture	20	5.0	6.6	*	10.0	12.0	*	15.0	15.5	*
Prostatectomy	42	0.0	0.6	*	2.4	1.4	*	2.4	2.3	*
Cholecystectomy	22	0.0	1.9	*	0.0	3.6	*	4.5	5.0	*
Hysterectomy	6	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	182
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	143
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	18
Registered Nurses	147
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUNTERDON MEDICAL CENTER

Medicare Provider Number: 310005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,356	8.8	9.9	1.0	14.9	15.1	1.0	19.3	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	55	20.0	31.7	8.6	23.6	34.9	8.9	25.5	38.4	9.7
Congestive Heart Failure	63	15.9	14.2	4.7	30.2	21.8	7.6	31.7	28.3	8.5
Pneumonia/Influenza	81	14.8	17.7	7.1	18.5	23.7	7.5	25.9	28.4	6.4
Chronic Obstructive Pulmonary Disease	21	0.0	7.5	*	9.5	13.0	*	9.5	17.6	*
Transient Cerebral Ischemia	28	0.0	2.2	*	3.6	4.9	*	7.1	7.8	*
Stroke	64	25.0	23.4	7.3	34.4	29.5	8.7	35.9	34.2	6.8
Hip Fracture	50	2.0	6.3	*	16.0	11.4	*	22.0	14.9	*
Sepsis	8	50.0	28.6	*	50.0	36.6	*	50.0	42.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	23.1	11.0	*	23.1	13.9	*	23.1	17.0	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	20	0.0	3.3	*	5.0	6.0	*	10.0	8.0	*
Open Reduction of Hip Fracture	38	2.6	5.7	*	18.4	10.8	*	23.7	14.3	*
Prostatectomy	47	2.1	1.1	*	2.1	2.8	*	2.1	4.6	*
Cholecystectomy	13	0.0	3.1	*	0.0	6.6	*	0.0	9.5	*
Hysterectomy	11	0.0	0.8	*	0.0	1.7	*	9.1	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,290	9.1	10.3	1.5	14.7	15.6	1.3	19.7	19.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	31.6	*	35.3	35.4	*	35.3	38.9	*
Congestive Heart Failure	61	8.2	16.8	7.2	14.8	25.0	8.0	29.5	31.9	6.5
Pneumonia/Influenza	55	21.8	20.2	5.6	32.7	26.8	8.1	32.7	31.8	8.1
Chronic Obstructive Pulmonary Disease	18	11.1	7.6	*	22.2	13.0	*	22.2	17.4	*
Transient Cerebral Ischemia	18	0.0	1.8	*	0.0	3.8	*	5.6	5.9	*
Stroke	68	25.0	25.3	5.3	30.9	31.7	5.8	36.8	36.4	6.0
Hip Fracture	47	2.1	7.1	*	8.5	12.6	*	12.8	16.2	*
Sepsis	11	18.2	29.2	*	45.5	35.9	*	45.5	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	7.3	*	14.3	13.1	*	14.3	17.4	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	31	3.2	5.0	*	9.7	9.2	*	16.1	12.2	*
Open Reduction of Hip Fracture	21	0.0	6.6	*	4.8	12.3	*	4.8	15.9	*
Prostatectomy	58	1.7	1.0	1.4	1.7	2.6	2.3	1.7	4.4	3.5
Cholecystectomy	22	0.0	1.0	*	0.0	1.9	*	0.0	2.6	*
Hysterectomy	9	0.0	1.2	*	0.0	2.7	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

63.1

Hunterdon
Medical Center

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Provider Number 310005

Dear Mrs. Kappert:

Hunterdon Medical Center wishes to respond to the Medicare Mortality Data for 1989 scheduled to be published in the spring 1991.

Although the data compiled by HCFA shows Hunterdon Medical Center falling within the predicted ranges, there is again the question of consistency of the data. Each year, the criteria and mode of calculation has been changed, giving differing results in the observed and predicted mortality for the preceding years of publication. Therefore, the 1987 and 1988 results for Hunterdon Medical Center, republished this year, differ from the year of original publication. The overall mortality rate for 1987 has been changed from 11 to 9.1 in the 1988 and 1990 respective reports and the overall mortality for 1988 which was reported as 13.3 in 1989 has been changed to 8.8 in 1990. This continual change in data hinders its usefulness as a indicator of quality. We realize that criteria is often reassessed to clarify and strengthen the results, however, inconsistent and conflicting data is not beneficial to the public.

In preceding years, we have objected to the use of the 30 day criterion for the calculation of mortality since deaths occurring outside our institution may not be related to the orginal cause of hospitalization and, therefore, not related to the outcome of care. The addition of new criteria of 90 and 180 days is totally outside the realm of understanding. The explanation of

Flemington, New Jersey 08822-9237 Telephone 201-788-6100

purpose for these criteria outlined in Enclosure A is also unsatisfactory. The use of "selected admission" rather than the last admission also distorts the analysis of the cause of death and it's relationship to that period of hospitalization. The method of calculation and explanation of significance is complicated and overwhelming, thus reducing its worth in the analysis of quality.

As in the past, we repeat the belief that the publication of mortality statistics performs a disservice to all. While mortality data is routinely used by health professionals to assure quality, the information is assessed using the patients general health, stage of illness, comorbid conditions and individual wishes to determine the final analysis. This type of indepth analysis can not be accomplished in a release of generalized data to the public.

Hunterdon Medical Center is dedicated to the provision of high quality care for our patients. Our staff is continually monitoring and evaluating care and services to assure the maintenance of the quality standard. We do not believe, however, that the assurance of quality is served by the publication of mortality statistics and we will continue to express our concerns regarding the matter.

Sincerely,

R Wise

Robert P. Wise, President

IRVINGTON GENERAL HOSPITAL

832 Chancellor Ave
Irvington, NJ 07111

Medicare Provider Number: 310013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,097	7.5	10.1	2.2	13.9	15.2	1.6	17.5	19.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	29.9	*	50.0	33.1	*	53.8	36.4	*
Congestive Heart Failure	82	12.2	15.7	6.3	20.7	24.2	8.5	26.8	31.1	7.4
Pneumonia/Influenza	33	6.1	16.6	*	6.1	22.2	*	6.1	26.7	*
Chronic Obstructive Pulmonary Disease	27	7.4	7.7	*	11.1	13.4	*	22.2	18.7	*
Transient Cerebral Ischemia	23	0.0	2.6	*	0.0	6.1	*	8.7	9.8	*
Stroke	40	12.5	21.0	*	30.0	27.7	*	35.0	32.1	*
Hip Fracture	23	4.3	7.4	*	4.3	12.9	*	8.7	16.4	*
Sepsis	8	25.0	38.3	*	37.5	47.0	*	37.5	53.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.4	*	8.3	10.3	*	8.3	14.4	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Hip Replacement/Reconstruction	6	0.0	5.8	*	0.0	11.0	*	16.7	14.5	*
Open Reduction of Hip Fracture	11	9.1	7.9	*	9.1	14.3	*	9.1	18.3	*
Prostatectomy	20	0.0	1.5	*	0.0	3.8	*	0.0	6.4	*
Cholecystectomy	17	0.0	4.0	*	0.0	7.7	*	5.9	10.3	*
Hysterectomy	7	14.3	0.4	*	14.3	0.8	*	14.3	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 157
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 122
Percent of Physicians Board Certified Specialists ..... (Not Available)
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

IRVINGTON GENERAL HOSPITAL

Medicare Provider Number: 310013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,101	7.4	10.7	1.2	13.4	16.2	1.3	18.4	20.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	15.4	27.5	*	19.2	31.1	*	23.1	35.0	*
Congestive Heart Failure	93	14.0	16.7	4.7	19.4	25.1	7.1	25.8	32.1	7.9
Pneumonia/Influenza	23	4.3	19.4	*	13.0	25.4	*	17.4	30.1	*
Chronic Obstructive Pulmonary Disease	28	0.0	10.2	*	10.7	17.0	*	21.4	22.5	*
Transient Cerebral Ischemia	32	6.3	2.2	*	6.3	4.5	*	9.4	7.0	*
Stroke	39	17.9	21.4	*	23.1	28.3	*	30.8	33.0	*
Hip Fracture	29	3.4	6.9	*	3.4	12.5	*	3.4	16.0	*
Sepsis	14	21.4	35.0	*	42.9	43.3	*	50.0	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	12.9	*	50.0	18.1	*	50.0	22.5	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	9	0.0	6.1	*	0.0	11.4	*	0.0	14.7	*
Open Reduction of Hip Fracture	15	0.0	6.2	*	0.0	12.0	*	0.0	15.9	*
Prostatectomy	25	0.0	1.9	*	12.0	4.5	*	12.0	7.2	*
Cholecystectomy	16	0.0	2.3	*	0.0	3.6	*	6.3	4.5	*
Hysterectomy	6	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	996	8.4	10.8	3.4	13.9	16.2	4.8	18.2	20.3	4.5
CONDITIONS:										
Acute Myocardial Infarction	32	34.4	34.8	*	43.8	38.9	*	46.9	42.8	*
Congestive Heart Failure	75	12.0	16.2	7.6	24.0	24.2	6.6	29.3	30.9	5.9
Pneumonia/Influenza	36	5.6	21.4	*	13.9	28.1	*	19.4	33.3	*
Chronic Obstructive Pulmonary Disease	35	17.1	13.9	*	22.9	22.4	*	34.3	28.3	*
Transient Cerebral Ischemia	36	2.8	2.1	*	5.6	4.5	*	8.3	7.1	*
Stroke	36	11.1	20.6	*	22.2	27.5	*	27.8	31.9	*
Hip Fracture	20	0.0	8.8	*	5.0	15.4	*	10.0	19.4	*
Sepsis	4	0.0	30.8	*	25.0	36.9	*	25.0	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	4.8	*	10.0	9.9	*	15.0	14.1	*
Carotid Endarterectomy	1	0.0	6.1	*	0.0	15.9	*	0.0	26.3	*
Hip Replacement/Reconstruction	6	0.0	8.3	*	0.0	15.0	*	16.7	19.0	*
Open Reduction of Hip Fracture	12	0.0	7.9	*	8.3	14.6	*	8.3	18.9	*
Prostatectomy	25	12.0	3.3	*	12.0	7.2	*	12.0	11.3	*
Cholecystectomy	16	0.0	4.3	*	6.3	7.1	*	6.3	8.6	*
Hysterectomy	5	0.0	2.8	*	0.0	5.8	*	0.0	7.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JERSEY CITY MEDICAL CENTER

50 Baldwin Ave
Jersey City, NJ 07304

Medicare Provider Number: 310074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	918	13.7	10.6	2.5	20.4	15.4	4.5	26.3	19.3	6.7
CONDITIONS:										
Acute Myocardial Infarction	20	45.0	30.2	*	45.0	32.6	*	50.0	35.7	*
Congestive Heart Failure	56	8.9	14.5	5.2	21.4	22.4	5.9	35.7	29.0	6.6
Pneumonia/Influenza	42	31.0	16.8	*	38.1	22.4	*	40.5	26.9	*
Chronic Obstructive Pulmonary Disease	12	16.7	15.1	*	25.0	24.5	*	33.3	30.9	*
Transient Cerebral Ischemia	10	10.0	1.6	*	10.0	3.2	*	10.0	5.0	*
Stroke	37	18.9	19.2	*	40.5	25.4	*	45.9	29.6	*
Hip Fracture	27	7.4	6.3	*	14.8	11.0	*	25.9	14.2	*
Sepsis	14	35.7	27.0	*	50.0	35.2	*	50.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.9	*	25.0	6.1	*	25.0	9.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.1	*	0.0	8.3	*	28.6	12.4	*
Open Reduction of Hip Fracture	14	7.1	6.3	*	21.4	11.7	*	28.6	15.4	*
Prostatectomy	17	5.9	2.5	*	11.8	6.1	*	11.8	10.0	*
Cholecystectomy	8	12.5	6.8	*	12.5	11.6	*	12.5	14.6	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 447
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 251
Percent of Physicians Board Certified Specialists 51
Medical Residents/Interns 93
Registered Nurses 320
Licensed Practical Nurses 64

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

JERSEY CITY MEDICAL CENTER

Medicare Provider Number: 310074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	971	13.1	10.6	1.2	19.7	15.3	1.6	24.9	19.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	26.1	29.1	*	30.4	31.6	*	39.1	34.8	*
Congestive Heart Failure	54	13.0	13.9	6.1	18.5	21.4	7.2	29.6	27.8	6.9
Pneumonia/Influenza	39	30.8	17.6	*	43.6	23.9	*	48.7	28.6	*
Chronic Obstructive Pulmonary Disease	7	14.3	16.0	*	14.3	25.1	*	14.3	31.6	*
Transient Cerebral Ischemia	17	5.9	2.6	*	11.8	5.8	*	23.5	9.2	*
Stroke	53	28.3	23.5	6.2	45.3	29.4	8.5	47.2	33.7	8.9
Hip Fracture	32	3.1	6.4	*	6.3	11.4	*	6.3	14.6	*
Sepsis	29	48.3	38.1	*	58.6	45.3	*	65.5	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	5.6	*	50.0	9.4	*	50.0	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.6	*	0.0	10.8	*	0.0	14.6	*
Open Reduction of Hip Fracture	22	4.5	5.7	*	9.1	10.5	*	9.1	13.6	*
Prostatectomy	17	5.9	3.1	*	23.5	7.7	*	29.4	12.7	*
Cholecystectomy	3	33.3	2.5	*	33.3	4.2	*	33.3	5.3	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

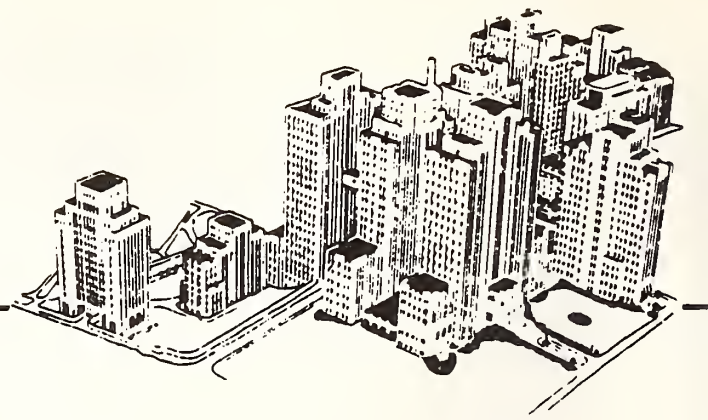
CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,042	13.8	11.0	3.5	22.5	15.9	7.5	27.8	19.8	9.6
CONDITIONS:										
Acute Myocardial Infarction	49	30.6	31.7	*	44.9	35.2	*	53.1	38.9	*
Congestive Heart Failure	50	22.0	15.3	*	30.0	23.6	*	42.0	30.5	*
Pneumonia/Influenza	54	20.4	17.1	6.0	27.8	23.0	6.6	33.3	27.9	8.7
Chronic Obstructive Pulmonary Disease	23	8.7	11.8	*	21.7	18.7	*	34.8	24.2	*
Transient Cerebral Ischemia	20	0.0	2.5	*	5.0	5.5	*	10.0	8.6	*
Stroke	71	35.2	20.7	7.3	42.3	27.0	8.8	46.5	31.3	8.8
Hip Fracture	24	4.2	5.9	*	12.5	10.3	*	12.5	13.4	*
Sepsis	26	42.3	26.6	*	50.0	33.1	*	57.7	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	12.9	*	20.0	18.5	*	20.0	22.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.3	*	14.3	9.5	*	14.3	12.0	*
Open Reduction of Hip Fracture	20	5.0	5.4	*	10.0	10.0	*	10.0	13.1	*
Prostatectomy	15	0.0	1.6	*	6.7	4.0	*	6.7	6.7	*
Cholecystectomy	5	0.0	4.1	*	20.0	8.2	*	20.0	11.8	*
Hysterectomy	4	0.0	0.6	*	0.0	1.2	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

67.1

Jersey City
MEDICAL CENTER

BALDWIN AVENUE
JERSEY CITY, NEW JERSEY 07304
(201) 915-2000



Executive Office

January 11, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Jersey City Medical Center appreciates the opportunity to comment on the H.C.F.A. Mortality Analysis recently distributed to our hospital. We also appreciate the Agency's continuing effort to improve upon the theoretical model that guides the analysis of hospital specific data.

We are pleased to find out that our overall mortality data is not different, statistically, from what your model predicted. Jersey City Medical Center has an on-going commitment to providing the highest quality care to the residents of Hudson County. This validation of our efforts is most rewarding to our patients and staff.

For diagnostic categories, containing a small number of cases and where statistical analysis was not appropriate, we reviewed individual cases in detail. Based upon our review, we strongly recommend that H.C.F.A. focus future enhancements to its model on incorporating characteristics associated with Inner City patients. Multiple medical conditions, lack of mobility, limited community resources and less active involvement in managing their own follow-up care result in our inner city patients presenting with a more complex picture than patients from other areas.

While Medicare patients treated during the last year at the Medical Center had an average age of 68, the patients included in your sample had an average age of 74. The age variable in conjunction with other medical, psychiatric, and social factors such as poor nutrition, presence of chronic disorders, lack of family support and other hardships

brought on by a lifetime of living in poverty often lessen the positive impact of quality care to these patients.

In general, it is also important to recognize, as mentioned in a 1990 editorial of the distinguished Mayo Clinic Proceedings, that not a single study has convincingly linked variation in hospital mortality rates to underlying differences in quality of care.

The Health Care Financing Authority's new emphasis on evaluating mortalities 30, 90, and 180 days following admission underscores the importance of examining the factors we mentioned above. This new approach clearly weakens inferences about the quality of treatment intervention because of the probability that additional external factors contribute to the patient's past hospital well being.

In conclusion, we intend to utilize the H.C.F.A. data in our internal Quality Assurance process and in discussions with our designated Peer Review Organization.

Thank you for providing this opportunity to examine one aspect of our care as well as affording us the ability to comment on the model.

Sincerely,

Jonathan M. Metsch, Dr. P.H.
President & C.E.O.

JMM:mdc

JERSEY SHORE MEDICAL CENTER

1945 Corlies Ave
Neptune, NJ 07753

Medicare Provider Number: 310073

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,553	11.2	10.0	0.8	17.1	15.4	1.1	21.6	19.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	106	33.0	27.5	5.3	38.7	30.5	5.9	40.6	33.8	5.8
Congestive Heart Failure	218	15.1	16.5	3.0	25.2	25.4	3.2	36.7	32.6	3.9
Pneumonia/Influenza	136	23.5	20.2	5.8	30.1	26.7	5.3	34.6	31.8	5.3
Chronic Obstructive Pulmonary Disease	34	8.8	8.9	*	20.6	14.4	*	29.4	19.3	*
Transient Cerebral Ischemia	80	3.8	2.4	3.3	8.7	5.3	4.3	12.5	8.5	4.2
Stroke	146	21.2	22.9	4.3	30.1	29.5	3.8	36.3	33.8	4.3
Hip Fracture	129	10.1	8.0	3.3	16.3	14.2	3.9	18.6	18.3	3.4
Sepsis	46	30.4	30.2	*	47.8	39.1	*	54.3	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	3.6	*	10.5	7.2	*	15.8	10.4	*
Carotid Endarterectomy	6	16.7	2.6	*	16.7	5.4	*	16.7	8.5	*
Hip Replacement/Reconstruction	50	4.0	5.3	*	14.0	9.7	*	14.0	12.6	*
Open Reduction of Hip Fracture	40	12.5	6.4	*	15.0	12.3	*	15.0	16.3	*
Prostatectomy	48	2.1	0.8	*	6.3	2.1	*	6.3	3.7	*
Cholecystectomy	51	3.9	3.1	3.1	7.8	5.7	3.8	9.8	7.4	4.5
Hysterectomy	16	0.0	2.6	*	0.0	4.5	*	6.3	6.3	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	494
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	270
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	63
Registered Nurses	276
Licensed Practical Nurses	93

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

** **Not used in calculating hospital mortality rates.**

JERSEY SHORE MEDICAL CENTER

Medicare Provider Number: 310073

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,570	10.8	10.4	0.6	17.4	15.8	0.8	21.5	20.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	111	29.7	30.3	4.4	35.1	34.2	5.5	40.5	37.8	5.8
Congestive Heart Failure	207	22.2	18.3	3.9	33.8	27.6	5.0	40.6	34.9	4.9
Pneumonia/Influenza	120	17.5	20.5	4.9	26.7	27.0	4.1	31.7	32.0	4.3
Chronic Obstructive Pulmonary Disease	18	22.2	13.5	*	27.8	21.2	*	38.9	26.9	*
Transient Cerebral Ischemia	57	1.8	2.1	*	5.3	4.5	*	8.8	7.1	*
Stroke	135	28.1	24.5	4.1	38.5	32.0	5.3	43.7	36.9	5.3
Hip Fracture	117	11.1	7.8	4.7	16.2	14.2	4.7	19.7	18.1	4.1
Sepsis	48	50.0	39.5	*	60.4	49.9	*	66.7	56.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	5.9	*	0.0	11.1	*	0.0	14.0	*
Initial Pacemaker Insertion	22	9.1	5.8	*	18.2	9.4	*	22.7	12.7	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	4.0	*	20.0	5.9	*
Hip Replacement/Reconstruction	72	6.9	4.2	3.8	11.1	8.3	4.5	11.1	11.3	4.9
Open Reduction of Hip Fracture	19	10.5	6.3	*	21.1	11.8	*	26.3	15.4	*
Prostatectomy	65	3.1	1.0	1.7	4.6	2.5	3.7	9.2	4.1	4.0
Cholecystectomy	31	3.2	2.6	*	9.7	4.8	*	12.9	6.2	*
Hysterectomy	23	0.0	0.8	*	0.0	1.5	*	4.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,605	11.2	10.0	3.8	17.8	15.1	6.4	22.5	19.1	8.0
CONDITIONS:										
Acute Myocardial Infarction	135	18.5	29.8	5.5	24.4	33.5	5.1	31.1	37.1	4.6
Congestive Heart Failure	181	13.8	16.7	4.9	23.8	25.4	3.8	32.6	32.4	3.6
Pneumonia/Influenza	145	25.5	19.0	6.4	33.1	25.8	7.0	37.2	31.0	6.7
Chronic Obstructive Pulmonary Disease	56	19.6	12.6	5.6	32.1	20.2	7.8	35.7	25.9	8.6
Transient Cerebral Ischemia	69	2.9	2.4	2.6	5.8	5.2	5.0	11.6	8.2	6.2
Stroke	142	21.8	21.6	3.8	35.9	28.7	4.9	44.4	33.4	5.4
Hip Fracture	96	14.6	7.6	4.2	22.9	13.7	5.8	30.2	17.7	6.3
Sepsis	37	29.7	32.1	*	48.6	40.1	*	51.4	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	5.9	*	6.3	11.6	*	18.8	16.2	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	47	8.5	4.0	*	17.0	7.5	*	17.0	9.7	*
Open Reduction of Hip Fracture	34	8.8	6.5	*	20.6	12.4	*	32.4	16.4	*
Prostatectomy	51	0.0	1.1	1.8	0.0	2.6	3.1	2.0	4.3	3.7
Cholecystectomy	38	0.0	4.1	*	0.0	7.2	*	2.6	9.2	*
Hysterectomy	18	0.0	0.4	*	0.0	0.7	*	5.6	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

69.1

Jersey Shore Medical Center
1945 Route 33, Neptune, New Jersey 07754 (201) 775-5500

January 14, 1991

Medicare Provider # 31-0073

Health Care Financing Authority
Health Standards and Quality Bureau
2D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

On behalf of Jersey Shore Medical Center, the following comments are submitted in reference to the 1989 HCFA Medicare Mortality information.

Jersey Shore Medical Center is a major teaching hospital that serves as a regional tertiary service provider. Our region-wide services include a Level III perinatal center, a neonatal intensive care nursery, a regional renal dialysis center, a cardiac surgery center and cardiac cath lab, and a hospice service. The diversity of services are significant in that these patients in general have significant chronic conditions that are present on admission and ultimately affect their survival rate. As a major teaching hospital and tertiary care provider, Jersey Shore Medical Center attracts more indigent and acute patients than do surrounding hospitals. These patients require more intensive care (a large portion of whom are either frail, elderly, or the indigent population who have multiple diagnoses) because without insurance, these individuals tend to postpone medical care as long as possible. Additionally, Jersey Shore Medical Center's primary service area has one of the highest number of diagnosed AIDS cases in the state of New Jersey.

While it is acknowledged that the HCFA mortality release will continue in its process of improvement each year and the information will be useful to hospitals over time, the data has definite constraints. The data does not take into account all co-morbidities, adjustments for general health, stages of disease, psychosocial status, preferences regarding refusal of treatments/resuscitation, and lastly, the assumption is made that the Medicare coding is accurate and the data quality high. Although one cannot rely on these statistics alone to measure quality, they will prove useful over time if hospitals take the time to validate each case, which is a monumental task.

We at Jersey Shore Medical Center continue to be committed to providing the highest level of quality patient care. We hope these comments can help educate our community to the specialized services we provide and the diverse population that we serve.

Sincerely,

Michael R. D'Agnes
Executive Vice President

mb

JOHN F KENNEDY MEDICAL CENTER

James Street
Edison, NJ 08817

Medicare Provider Number: 310108

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,237	9.1	9.5	0.9	15.4	14.6	1.0	19.3	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	96	28.1	28.1	6.1	33.3	31.3	6.4	37.5	34.7	6.4
Congestive Heart Failure	161	20.5	16.5	4.8	32.9	25.6	6.4	42.2	32.9	7.2
Pneumonia/Influenza	132	18.9	18.1	3.4	25.8	24.4	3.9	30.3	29.2	4.6
Chronic Obstructive Pulmonary Disease	48	10.4	10.3	*	16.7	17.5	*	22.9	23.4	*
Transient Cerebral Ischemia	80	3.7	1.8	2.2	7.5	3.9	3.8	7.5	6.2	5.3
Stroke	118	20.3	19.7	3.7	29.7	27.3	4.4	37.3	31.8	6.0
Hip Fracture	64	9.4	7.6	3.6	20.3	13.1	6.3	25.0	16.7	8.5
Sepsis	32	15.6	32.5	*	31.3	41.2	*	40.6	47.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	3.0	*	0.0	5.7	*	10.0	8.0	*
Carotid Endarterectomy	18	0.0	1.3	*	5.6	2.4	*	11.1	3.4	*
Hip Replacement/Reconstruction	42	9.5	4.2	*	21.4	8.3	*	23.8	11.6	*
Open Reduction of Hip Fracture	44	4.5	6.7	*	9.1	12.0	*	15.9	15.5	*
Prostatectomy	112	0.0	1.1	1.3	0.9	2.6	1.9	1.8	4.2	2.5
Cholecystectomy	53	1.9	3.2	2.6	5.7	5.2	3.2	5.7	6.7	3.5
Hysterectomy	28	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 435
Occupancy Rate 89
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 487
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 22
Registered Nurses 457
Licensed Practical Nurses 185

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

JOHN F KENNEDY MEDICAL CENTER

Medicare Provider Number: 310108

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,014	9.0	10.2	0.7	14.6	15.4	0.7	18.6	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	104	29.8	32.9	5.3	35.6	36.6	4.9	39.4	40.4	4.9
Congestive Heart Failure	148	16.2	16.4	3.5	25.7	25.0	4.2	35.1	32.0	5.9
Pneumonia/Influenza	104	12.5	17.3	4.5	23.1	23.2	4.1	27.9	27.9	4.6
Chronic Obstructive Pulmonary Disease	38	5.3	10.5	*	10.5	17.1	*	15.8	22.2	*
Transient Cerebral Ischemia	75	2.7	2.3	1.9	4.0	4.9	2.7	5.3	7.6	4.5
Stroke	115	24.3	22.0	5.1	34.8	29.0	7.0	39.1	33.7	6.1
Hip Fracture	54	7.4	6.4	6.0	9.3	11.4	5.5	14.8	14.6	4.8
Sepsis	30	30.0	34.5	*	33.3	43.2	*	36.7	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	3.1	5.7	*	12.5	8.9	*	25.0	11.8	*
Carotid Endarterectomy	16	0.0	2.1	*	0.0	4.2	*	0.0	6.2	*
Hip Replacement/Reconstruction	47	0.0	2.0	*	2.1	3.8	*	6.4	5.1	*
Open Reduction of Hip Fracture	32	12.5	6.1	*	12.5	11.2	*	12.5	14.6	*
Prostatectomy	109	0.0	1.2	1.3	2.8	2.8	2.3	3.7	4.7	3.2
Cholecystectomy	46	4.3	2.5	*	4.3	4.4	*	10.9	5.8	*
Hysterectomy	19	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,849	8.2	10.4	3.1	14.5	15.4	2.2	18.3	19.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	121	28.9	32.2	4.5	34.7	35.5	4.5	38.8	39.0	4.5
Congestive Heart Failure	129	17.8	18.3	3.5	33.3	27.7	5.0	38.0	35.1	6.0
Pneumonia/Influenza	138	17.4	19.9	4.4	23.2	26.2	5.9	28.3	31.2	5.4
Chronic Obstructive Pulmonary Disease	56	8.9	13.8	6.7	32.1	21.5	9.6	33.9	27.3	8.3
Transient Cerebral Ischemia	66	3.0	2.5	2.0	4.5	5.2	2.9	6.1	8.1	4.3
Stroke	127	12.6	20.1	5.4	17.3	26.5	5.8	24.4	30.9	5.1
Hip Fracture	49	4.1	8.7	*	12.2	14.8	*	14.3	18.4	*
Sepsis	18	16.7	30.5	*	16.7	37.6	*	22.2	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	3.0	6.1	*	15.2	11.6	*	18.2	15.9	*
Carotid Endarterectomy	9	0.0	2.2	*	0.0	4.1	*	0.0	5.8	*
Hip Replacement/Reconstruction	47	6.4	3.3	*	6.4	6.0	*	6.4	7.7	*
Open Reduction of Hip Fracture	30	3.3	6.2	*	13.3	11.3	*	13.3	14.5	*
Prostatectomy	98	0.0	1.4	*	1.0	3.4	*	1.0	5.4	*
Cholecystectomy	56	0.0	2.4	2.7	1.8	4.2	3.9	1.8	5.4	4.3
Hysterectomy	17	0.0	0.8	*	0.0	1.6	*	5.9	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KENNEDY MEM HOSPITAL AT SADDLE BROOK

300 Market Street
Saddle Brook, NJ 07662

Medicare Provider Number: 310085

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	821	10.7	10.3	1.8	18.9	15.8	2.9	23.3	20.0	3.1
CONDITIONS:										
Acute Myocardial Infarction	23	47.8	35.5	*	56.5	39.3	*	60.9	42.9	*
Congestive Heart Failure	57	14.0	16.3	5.8	24.6	24.6	6.7	31.6	31.4	7.7
Pneumonia/Influenza	33	12.1	19.4	*	27.3	25.9	*	33.3	31.1	*
Chronic Obstructive Pulmonary Disease	12	8.3	8.3	*	8.3	14.3	*	8.3	19.3	*
Transient Cerebral Ischemia	14	7.1	2.0	*	14.3	4.5	*	14.3	7.1	*
Stroke	31	22.6	23.4	*	32.3	30.2	*	45.2	34.5	*
Hip Fracture	15	6.7	6.4	*	6.7	11.5	*	13.3	15.0	*
Sepsis	5	60.0	42.1	*	80.0	51.6	*	80.0	58.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.5	*	14.3	8.9	*	42.9	12.7	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	9	0.0	4.1	*	0.0	7.7	*	0.0	10.2	*
Open Reduction of Hip Fracture	8	0.0	6.0	*	0.0	11.2	*	12.5	14.8	*
Prostatectomy	16	0.0	1.2	*	6.3	3.0	*	6.3	4.8	*
Cholecystectomy	13	7.7	4.7	*	7.7	8.8	*	7.7	11.7	*
Hysterectomy	5	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 112
Occupancy Rate 71
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 217
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 8
Registered Nurses 86
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KENNEDY MEM HOSPITAL AT SADDLE BROOK

Medicare Provider Number: 310085

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	839	10.6	9.8	1.6	16.1	14.8	2.4	19.8	18.7	2.8
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	31.8	*	37.0	36.5	*	37.0	40.3	*
Congestive Heart Failure	49	16.3	16.4	*	26.5	24.9	*	36.7	31.9	*
Pneumonia/Influenza	24	12.5	21.3	*	29.2	27.8	*	29.2	33.0	*
Chronic Obstructive Pulmonary Disease	9	11.1	5.0	*	22.2	8.9	*	22.2	12.3	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*
Stroke	48	29.2	23.0	*	35.4	30.3	*	35.4	35.0	*
Hip Fracture	18	0.0	6.1	*	11.1	11.0	*	16.7	14.1	*
Sepsis	5	40.0	34.2	*	60.0	43.8	*	60.0	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	21.2	*	33.3	28.8	*	33.3	32.3	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	9	0.0	3.4	*	0.0	6.5	*	11.1	8.5	*
Open Reduction of Hip Fracture	10	0.0	5.9	*	20.0	11.2	*	30.0	14.6	*
Prostatectomy	19	0.0	1.0	*	10.5	2.5	*	10.5	4.2	*
Cholecystectomy	15	0.0	2.7	*	0.0	4.8	*	6.7	6.4	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	829	10.4	10.0	1.1	16.5	15.0	2.3	19.9	19.0	2.8
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	27.8	*	31.6	31.4	*	36.8	34.9	*
Congestive Heart Failure	59	15.3	19.2	5.9	32.2	28.9	6.4	33.9	36.8	6.6
Pneumonia/Influenza	36	19.4	18.0	*	19.4	23.8	*	25.0	28.6	*
Chronic Obstructive Pulmonary Disease	11	0.0	9.8	*	0.0	16.1	*	18.2	20.8	*
Transient Cerebral Ischemia	18	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	42	19.0	23.0	*	23.8	30.1	*	35.7	34.8	*
Hip Fracture	18	11.1	5.6	*	16.7	10.6	*	22.2	14.1	*
Sepsis	8	12.5	26.3	*	37.5	34.2	*	37.5	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	7.0	*	0.0	11.8	*	0.0	15.4	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.0	*	0.0	4.2	*
Hip Replacement/Reconstruction	12	8.3	3.3	*	8.3	6.2	*	8.3	8.1	*
Open Reduction of Hip Fracture	7	14.3	6.4	*	14.3	12.9	*	14.3	17.5	*
Prostatectomy	9	0.0	1.3	*	0.0	3.2	*	0.0	5.3	*
Cholecystectomy	12	8.3	1.6	*	8.3	2.7	*	8.3	3.4	*
Hysterectomy	10	0.0	0.7	*	0.0	1.4	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KENNEDY MEM HOSPITAL-UNIVERSITY MED CTR

113 East Laurel Road
Stratford, NJ 08084

Medicare Provider Number: 310086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,108	11.2	10.1	0.6	17.4	15.4	0.9	21.5	19.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	147	18.4	23.3	5.5	25.9	27.3	4.5	29.9	30.8	4.0
Congestive Heart Failure	301	16.6	16.4	2.8	28.2	25.5	3.5	33.6	32.7	2.8
Pneumonia/Influenza	151	19.2	20.7	3.6	29.8	27.6	4.5	36.4	32.9	6.4
Chronic Obstructive Pulmonary Disease	66	4.5	6.2	3.5	12.1	11.3	4.2	21.2	15.9	5.6
Transient Cerebral Ischemia	76	3.9	1.7	3.3	6.6	3.9	3.9	7.9	6.2	4.4
Stroke	168	28.0	20.8	5.3	35.7	28.3	6.1	38.7	33.0	5.7
Hip Fracture	86	7.0	6.8	2.9	8.1	12.3	4.7	10.5	16.3	6.4
Sepsis	35	42.9	34.8	*	54.3	44.7	*	65.7	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	5.1	3.2	*	10.3	5.9	*	10.3	8.5	*
Carotid Endarterectomy	5	20.0	1.6	*	20.0	2.9	*	20.0	4.0	*
Hip Replacement/Reconstruction	36	2.8	4.7	*	11.1	9.3	*	13.9	13.2	*
Open Reduction of Hip Fracture	48	8.3	6.6	*	8.3	12.3	*	10.4	16.2	*
Prostatectomy	144	0.7	1.0	0.9	2.8	2.5	1.4	4.9	4.2	1.8
Cholecystectomy	41	0.0	2.2	*	0.0	3.9	*	0.0	5.0	*
Hysterectomy	17	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 516
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 528
Percent of Physicians Board Certified Specialists 58
Medical Residents/Interns 0
Registered Nurses 394
Licensed Practical Nurses 106

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KENNEDY MEM HOSPITAL-UNIVERSITY MED CTR

Medicare Provider Number: 310086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,768	12.2	10.3	0.7	18.0	15.7	0.8	22.2	20.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	129	32.6	27.4	6.0	38.0	30.9	6.8	40.3	34.4	7.1
Congestive Heart Failure	261	15.7	17.5	3.6	23.4	26.4	5.0	31.0	33.5	4.3
Pneumonia/Influenza	119	25.2	22.2	5.0	35.3	29.0	7.2	39.5	34.1	6.7
Chronic Obstructive Pulmonary Disease	53	7.5	10.4	5.5	18.9	17.9	5.9	30.2	23.9	7.4
Transient Cerebral Ischemia	57	1.8	2.0	2.0	5.3	4.5	4.2	5.3	7.1	5.0
Stroke	150	20.0	21.9	4.3	31.3	28.9	5.3	37.3	33.6	6.8
Hip Fracture	127	3.9	6.8	3.9	14.2	12.5	3.6	17.3	16.3	4.1
Sepsis	23	47.8	31.6	*	52.2	40.3	*	60.9	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	23.8	7.9	*	33.3	11.7	*	33.3	15.0	*
Carotid Endarterectomy	11	9.1	1.6	*	9.1	2.9	*	9.1	4.3	*
Hip Replacement/Reconstruction	64	1.6	4.4	3.4	7.8	8.5	3.5	10.9	11.3	5.1
Open Reduction of Hip Fracture	68	4.4	6.2	6.6	16.2	11.9	6.9	19.1	15.8	6.4
Prostatectomy	125	0.8	1.2	1.5	3.2	3.0	1.9	6.4	5.0	2.5
Cholecystectomy	52	3.8	3.9	2.7	7.7	7.4	4.1	7.7	9.8	4.8
Hysterectomy	8	0.0	1.3	*	0.0	3.1	*	0.0	5.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,439	11.5	10.0	3.2	17.7	15.3	4.9	21.8	19.4	5.6
CONDITIONS:										
Acute Myocardial Infarction	114	25.4	27.4	4.3	33.3	30.7	4.4	36.0	34.0	4.7
Congestive Heart Failure	193	17.6	18.5	3.5	29.0	27.6	3.5	36.3	35.0	3.7
Pneumonia/Influenza	99	27.3	20.2	7.5	32.3	26.8	7.3	37.4	31.9	6.4
Chronic Obstructive Pulmonary Disease	78	16.7	12.0	4.6	25.6	20.1	6.5	33.3	26.6	7.9
Transient Cerebral Ischemia	52	1.9	1.9	1.9	7.7	4.1	3.5	11.5	6.7	4.7
Stroke	117	24.8	22.7	5.7	32.5	30.4	4.4	36.8	35.0	5.0
Hip Fracture	89	9.0	7.8	3.4	14.6	13.7	3.8	18.0	17.6	4.1
Sepsis	26	42.3	30.6	*	73.1	39.7	*	73.1	46.1	*
PROCEDURES:										
Angioplasty	1	0.0	3.5	*	0.0	6.0	*	0.0	7.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	10.7	5.6	*	25.0	10.1	*	28.6	13.5	*
Carotid Endarterectomy	10	0.0	2.0	*	10.0	3.9	*	10.0	5.8	*
Hip Replacement/Reconstruction	42	2.4	4.2	*	7.1	7.6	*	11.9	10.1	*
Open Reduction of Hip Fracture	49	6.1	7.7	*	12.2	14.2	*	12.2	18.4	*
Prostatectomy	156	0.0	1.0	1.6	1.3	2.4	1.6	3.2	4.0	1.8
Cholecystectomy	45	8.9	3.5	*	15.6	5.9	*	15.6	7.5	*
Hysterectomy	10	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KIMBALL MEDICAL CENTER

600 River Ave
Lakewood, NJ 08701

Medicare Provider Number: 310084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,694	12.9	11.9	1.8	19.0	17.8	3.0	23.2	22.3	3.4
CONDITIONS:										
Acute Myocardial Infarction	120	31.7	33.2	5.2	36.7	37.1	6.9	37.5	40.7	7.1
Congestive Heart Failure	222	16.7	18.6	4.2	28.4	28.3	5.4	37.8	35.8	3.5
Pneumonia/Influenza	197	32.5	25.0	4.5	44.2	33.1	5.3	46.7	39.1	4.7
Chronic Obstructive Pulmonary Disease	61	9.8	9.3	4.1	16.4	16.5	4.8	21.3	22.6	5.6
Transient Cerebral Ischemia	97	4.1	2.4	1.7	8.2	5.4	2.9	14.4	8.5	4.2
Stroke	152	23.0	23.5	3.9	34.2	30.8	4.0	38.8	35.5	4.2
Hip Fracture	110	6.4	8.8	5.1	12.7	15.5	6.2	18.2	20.0	4.6
Sepsis	102	38.2	36.4	4.8	52.9	46.0	6.2	61.8	53.1	6.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	0.0	3.1	*	6.5	6.5	*	6.5	9.9	*
Carotid Endarterectomy	13	0.0	1.7	*	0.0	3.3	*	0.0	4.6	*
Hip Replacement/Reconstruction	44	4.5	4.4	*	6.8	8.4	*	9.1	11.3	*
Open Reduction of Hip Fracture	56	7.1	8.7	4.6	16.1	15.9	6.9	17.9	20.7	6.5
Prostatectomy	118	0.0	1.1	1.3	2.5	2.6	2.1	3.4	4.4	2.4
Cholecystectomy	54	3.7	4.2	2.8	11.1	7.2	5.0	11.1	8.8	4.3
Hysterectomy	36	0.0	0.8	*	2.8	1.8	*	2.8	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 330
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 114
Percent of Physicians Board Certified Specialists 62
Medical Residents/Interns 0
Registered Nurses 182
Licensed Practical Nurses 128

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

KIMBALL MEDICAL CENTER

Medicare Provider Number: 310084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,498	12.7	12.4	0.6	19.4	18.6	0.9	24.2	23.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	117	25.6	31.1	5.7	33.3	34.6	6.0	36.8	38.4	4.6
Congestive Heart Failure	189	23.3	20.9	3.7	30.7	31.0	4.9	43.4	38.7	6.4
Pneumonia/Influenza	150	29.3	28.6	3.8	41.3	37.1	6.3	46.0	43.2	5.0
Chronic Obstructive Pulmonary Disease	44	6.8	12.3	*	13.6	19.1	*	20.5	24.5	*
Transient Cerebral Ischemia	66	3.0	2.6	2.3	6.1	5.7	2.9	7.6	8.9	3.6
Stroke	168	20.8	23.6	6.3	25.0	31.0	6.5	32.7	35.8	5.3
Hip Fracture	105	4.8	8.4	3.4	9.5	15.1	4.5	17.1	19.1	4.0
Sepsis	72	36.1	36.0	6.6	44.4	45.0	6.0	56.9	52.1	8.0
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	11.5	10.5	*	23.1	16.1	*	26.9	20.5	*
Carotid Endarterectomy	12	0.0	1.6	*	8.3	3.1	*	16.7	4.7	*
Hip Replacement/Reconstruction	54	5.6	6.3	4.6	9.3	11.3	5.8	11.1	14.3	6.0
Open Reduction of Hip Fracture	43	2.3	7.7	*	9.3	14.3	*	23.3	18.4	*
Prostatectomy	110	2.7	1.2	1.9	3.6	3.0	2.2	3.6	5.0	2.7
Cholecystectomy	35	5.7	3.9	*	8.6	6.8	*	11.4	8.8	*
Hysterectomy	28	0.0	0.4	*	0.0	0.8	*	3.6	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,480	13.0	12.6	0.7	20.3	18.6	1.6	24.9	23.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	103	37.9	35.5	7.3	44.7	39.0	6.9	44.7	42.7	5.8
Congestive Heart Failure	190	21.1	21.4	4.2	36.3	31.4	6.6	43.7	39.1	5.6
Pneumonia/Influenza	132	24.2	28.1	5.9	34.1	36.5	5.4	42.4	42.7	4.3
Chronic Obstructive Pulmonary Disease	55	14.5	11.9	5.0	20.0	20.6	5.5	27.3	27.1	6.6
Transient Cerebral Ischemia	61	1.6	3.0	2.8	6.6	6.7	5.0	8.2	10.6	5.3
Stroke	141	22.7	25.7	4.1	34.8	33.2	4.1	39.0	38.0	4.3
Hip Fracture	108	5.6	9.4	3.7	13.9	16.5	4.1	20.4	20.9	3.9
Sepsis	102	31.4	37.7	6.5	50.0	47.5	5.2	55.9	54.8	5.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	9.5	8.5	*	28.6	13.3	*	28.6	17.2	*
Carotid Endarterectomy	17	5.9	1.9	*	5.9	3.7	*	11.8	5.4	*
Hip Replacement/Reconstruction	63	3.2	5.5	3.1	11.1	10.2	4.0	15.9	13.4	4.9
Open Reduction of Hip Fracture	33	9.1	9.6	*	21.2	17.4	*	24.2	22.2	*
Prostatectomy	101	1.0	1.5	1.3	4.0	3.6	2.0	5.9	6.0	2.4
Cholecystectomy	50	6.0	3.2	*	6.0	5.4	*	6.0	6.8	*
Hysterectomy	18	0.0	1.0	*	0.0	2.4	*	0.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

77.1

Kimball
MEDICAL CENTER
600 River Avenue • Lakewood, N.J. 08701-5281
(201) 363-1900

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity of presenting our comments regarding the F.Y. 1989 Medicare Hospital Mortality Rates, and for providing additional Medicare Hospital Mortality Rates for fiscal years 1988 and 1987.

As indicated in a previous report, the Kimball Medical Center has for many years served an extremely large nursing home population. These patients appear to be more incapacitated than patients of a similar age who are admitted from the numerous nearby retirement communities or from the general communities served by this medical center. This increase in severity of illness in a patient subgroup admitted from nursing homes was established in a previous study of patients with severe chronic heart disease which we submitted to the Health Care Financing Administration in 1989. This study led to our conclusion that the outcome criterion of death (or of discharged alive) is complicated and involves many modifying factors which are found in an elderly frail nursing home population.

Reports of nursing home admission data for non-teaching hospitals of Ocean County, New Jersey for the years 1988 and 1989 are included as addenda to these comments. These studies indicate that 14.06% of Kimball Medical Center admissions (excluding newborns) in the year 1988 were from nursing homes. The next highest percentage in this five hospital comparison is 3.78%. In 1989, 13.79% of Kimball Medical Center admissions (excluding newborns) were from nursing homes. The next highest percentage in this five hospital comparison is 4.75%.

On receipt of the recent report from the Health Care Financing Administration containing F.Y. 1989 Medicare Hospital Mortality Rates, we conducted a study of the category Pneumonia/Influenza. The study sample consisted of every other patient in the Enclosure D listing of 198 cases in this category. We discovered that 55% of the study group were admitted from nursing homes. Sixty-nine percent (69%) of the patients admitted from nursing homes were considered non-ambulatory while nine percent (9%) of those from home were so classified. The ambulatory nursing home

patient group had a 16% mortality rate and the non-ambulatory group from nursing homes had a 40% mortality rate. The time constraint for submission of this report prohibits detailed reporting of this study which is still in the process of investigation.

It is apparent that appropriate consideration should be given to hospital admissions from nursing homes when developing predicted rates for mortality. It is also unrealistic to expect the hospital to be responsible for the continued survival of many of these frail nursing home patients for 180 days following admissions. The Kimball Medical Center has conducted an extensive long-standing quality assurance program and no pattern of substandard care has been identified in our mortality reviews.

May I assure the Health Care Financing Administration of the Kimball Medical Center commitment to provide excellent compassionate care to our patients. If you have any questions regarding the above, please so inform me.

Very truly yours,

James J. Fitzpatrick M.D.
Vice President of Medical Affairs

JJF:jls

Enclosure: 2

MEADOWLANDS HOSPITAL MEDICAL CENTER

Meadowland Parkway
Secaucus, NJ 07094

Medicare Provider Number: 310118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	974	7.1	7.9	2.2	12.5	12.2	1.7	15.7	15.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	22	54.5	31.6	*	59.1	34.7	*	63.6	37.9	*
Congestive Heart Failure	63	12.7	12.8	4.6	19.0	20.1	6.0	25.4	26.4	5.9
Pneumonia/Influenza	28	0.0	15.8	*	17.9	21.3	*	25.0	25.5	*
Chronic Obstructive Pulmonary Disease	33	0.0	11.1	*	3.0	17.0	*	6.1	21.9	*
Transient Cerebral Ischemia	41	2.4	1.9	*	7.3	3.9	*	9.8	6.1	*
Stroke	36	8.3	17.3	*	11.1	23.2	*	19.4	27.2	*
Hip Fracture	24	0.0	6.4	*	12.5	10.9	*	12.5	13.8	*
Sepsis	4	25.0	26.9	*	25.0	34.3	*	25.0	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.3	*	14.3	6.5	*	14.3	9.2	*
Carotid Endarterectomy	5	20.0	1.1	*	20.0	1.9	*	20.0	2.8	*
Hip Replacement/Reconstruction	7	0.0	3.8	*	14.3	6.8	*	14.3	8.7	*
Open Reduction of Hip Fracture	18	0.0	5.7	*	5.6	10.2	*	5.6	13.0	*
Prostatectomy	56	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*
Cholecystectomy	18	0.0	1.2	*	0.0	2.1	*	0.0	2.7	*
Hysterectomy	10	0.0	0.7	*	10.0	1.5	*	20.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 200
Occupancy Rate 69
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 426
Percent of Physicians Board Certified Specialists 71
Medical Residents/Interns 0
Registered Nurses 134
Licensed Practical Nurses 44

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEADOWLANDS HOSPITAL MEDICAL CENTER

Medicare Provider Number: 310118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,091	9.3	8.8	1.0	14.5	13.5	1.2	18.7	17.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	22	54.5	27.1	*	59.1	29.7	*	59.1	32.9	*
Congestive Heart Failure	75	20.0	14.9	7.3	26.7	22.9	8.7	33.3	29.4	7.7
Pneumonia/Influenza	39	12.8	15.5	*	17.9	21.6	*	28.2	26.3	*
Chronic Obstructive Pulmonary Disease	47	8.5	11.2	*	12.8	18.1	*	21.3	23.7	*
Transient Cerebral Ischemia	61	3.3	1.9	2.1	3.3	4.1	2.6	3.3	6.4	3.8
Stroke	29	20.7	18.7	*	27.6	25.0	*	34.5	29.3	*
Hip Fracture	24	4.2	6.0	*	8.3	10.9	*	8.3	14.1	*
Sepsis	13	15.4	32.6	*	30.8	42.0	*	30.8	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	7.9	*	13.3	11.4	*	13.3	14.5	*
Carotid Endarterectomy	2	50.0	2.1	*	50.0	4.7	*	50.0	7.2	*
Hip Replacement/Reconstruction	10	0.0	4.7	*	0.0	8.7	*	0.0	11.2	*
Open Reduction of Hip Fracture	14	7.1	5.4	*	7.1	10.7	*	7.1	14.4	*
Prostatectomy	49	0.0	1.9	*	0.0	4.4	*	6.1	7.0	*
Cholecystectomy	21	4.8	2.8	*	19.0	5.1	*	19.0	6.8	*
Hysterectomy	14	0.0	1.5	*	0.0	3.3	*	14.3	5.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,172	8.8	8.4	2.9	14.3	13.1	4.1	17.9	16.8	3.5
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	26.9	*	37.1	29.8	*	40.0	32.9	*
Congestive Heart Failure	74	20.3	14.8	7.7	25.7	22.2	6.6	28.4	28.6	5.4
Pneumonia/Influenza	40	12.5	14.4	*	20.0	19.7	*	22.5	24.0	*
Chronic Obstructive Pulmonary Disease	47	6.4	11.9	*	8.5	19.6	*	17.0	24.9	*
Transient Cerebral Ischemia	64	4.7	2.1	3.8	6.3	4.5	4.5	9.4	7.1	4.7
Stroke	38	23.7	23.0	*	44.7	30.9	*	50.0	35.7	*
Hip Fracture	20	10.0	7.4	*	25.0	12.9	*	25.0	16.5	*
Sepsis	6	66.7	30.8	*	66.7	36.7	*	66.7	42.2	*
PROCEDURES:										
Angioplasty	1	0.0	2.2	*	0.0	3.5	*	0.0	5.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	4.0	*	5.6	7.0	*	11.1	9.7	*
Carotid Endarterectomy	4	0.0	1.6	*	25.0	3.0	*	25.0	4.3	*
Hip Replacement/Reconstruction	9	11.1	6.0	*	11.1	10.7	*	11.1	13.8	*
Open Reduction of Hip Fracture	11	9.1	5.8	*	27.3	10.5	*	27.3	13.6	*
Prostatectomy	43	2.3	1.5	*	4.7	3.5	*	4.7	5.7	*
Cholecystectomy	14	0.0	3.9	*	0.0	6.5	*	0.0	7.9	*
Hysterectomy	8	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

Meadowlands
Hospital
Medical Center
Medicare Provider #310118

January 4, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We would like to include the following comment in the publication of Medicare Hospital Mortality Information:

The information contained in FY 1989 Medicare Hospital Mortality Rates has been carefully analyzed. Although the majority of the data is without statistical significance and is therefore not meaningful, we are happy to make note of it. Those categories which are significant, namely "All Causes" and "Congestive Heart Failure" have been statistically configured to be within acceptable prediction ranges.

As the quality and outcomes of our patient care is taken seriously at Meadowlands Hospital Medical Center, we plan to utilize this data, compiled with that of previous years, to supplement our present Mortality Review methodology.

Thank you for this opportunity to comment.

Helen M. Kennedy
Executive Vice President/
Administrator

HMK/ssp

cc:Patient Care Committee
Medical Executive Committee

MEDICAL CENTER AT PRINCETON

253 Witherspoon St
Princeton, NJ 08540

Medicare Provider Number: 310010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,787	9.4	10.3	0.8	14.9	15.6	0.8	18.5	19.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	106	21.7	24.8	5.0	27.4	28.5	4.6	31.1	32.1	4.6
Congestive Heart Failure	120	12.5	15.7	4.5	25.0	24.0	4.0	32.5	30.7	4.6
Pneumonia/Influenza	125	26.4	19.7	4.3	30.4	26.4	4.4	32.8	31.3	4.3
Chronic Obstructive Pulmonary Disease	30	13.3	10.7	*	23.3	18.4	*	36.7	24.7	*
Transient Cerebral Ischemia	54	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	96	21.9	24.0	6.4	29.2	30.6	8.2	31.3	35.2	9.0
Hip Fracture	75	4.0	6.9	4.5	8.0	12.0	6.5	12.0	15.3	6.6
Sepsis	24	33.3	29.8	*	50.0	40.9	*	50.0	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	35	5.7	4.3	*	5.7	7.3	*	8.6	9.9	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	46	6.5	3.5	*	8.7	6.3	*	13.0	8.3	*
Open Reduction of Hip Fracture	42	0.0	5.8	*	4.8	10.5	*	7.1	13.7	*
Prostatectomy	134	0.0	1.2	1.3	1.5	2.9	1.9	3.0	4.8	2.4
Cholecystectomy	58	3.4	3.4	2.5	3.4	5.9	3.8	5.2	7.5	4.0
Hysterectomy	29	0.0	0.8	*	3.4	1.7	*	3.4	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	413
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	337
Licensed Practical Nurses	50

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER AT PRINCETON

Medicare Provider Number: 310010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,743	8.1	10.3	0.8	13.9	15.7	1.0	18.1	19.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	91	26.4	26.3	4.6	30.8	30.6	4.9	34.1	34.6	5.0
Congestive Heart Failure	135	13.3	16.3	9.7	23.0	24.6	10.3	28.9	31.4	5.0
Pneumonia/Influenza	114	16.7	18.6	4.8	21.9	24.6	7.1	25.4	29.3	6.7
Chronic Obstructive Pulmonary Disease	33	6.1	10.8	*	21.2	17.4	*	24.2	22.9	*
Transient Cerebral Ischemia	44	2.3	2.2	*	4.5	4.7	*	6.8	7.4	*
Stroke	101	16.8	25.3	5.2	27.7	31.8	4.9	38.6	36.6	4.8
Hip Fracture	84	9.5	7.3	3.8	14.3	13.2	3.8	19.0	17.0	5.3
Sepsis	17	23.5	24.9	*	23.5	32.8	*	23.5	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	7.1	*	0.0	10.4	*	5.0	13.5	*
Carotid Endarterectomy	8	12.5	2.0	*	25.0	4.4	*	25.0	6.6	*
Hip Replacement/Reconstruction	56	7.1	3.9	3.7	7.1	7.3	3.5	8.9	9.7	4.1
Open Reduction of Hip Fracture	51	7.8	6.4	3.9	13.7	12.2	5.0	19.6	16.0	7.8
Prostatectomy	147	1.4	1.4	1.0	3.4	3.2	1.6	4.8	5.2	2.1
Cholecystectomy	58	1.7	3.3	3.5	3.4	5.9	4.3	6.9	7.6	3.8
Hysterectomy	15	0.0	1.7	*	0.0	3.7	*	0.0	5.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,413	8.3	10.2	0.8	13.3	15.7	1.0	17.0	19.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	102	19.6	26.0	7.8	23.5	29.9	7.5	28.4	33.6	6.3
Congestive Heart Failure	101	13.9	17.4	4.8	22.8	26.0	5.1	33.7	33.1	4.7
Pneumonia/Influenza	87	13.8	18.8	5.3	18.4	25.3	7.1	21.8	30.4	8.1
Chronic Obstructive Pulmonary Disease	33	9.1	13.5	*	21.2	21.0	*	21.2	26.7	*
Transient Cerebral Ischemia	33	0.0	2.2	*	3.0	4.6	*	9.1	7.0	*
Stroke	104	22.1	24.8	6.2	28.8	31.5	5.2	33.7	36.2	5.3
Hip Fracture	71	2.8	6.3	4.2	4.2	11.4	6.5	8.5	14.8	6.8
Sepsis	16	25.0	26.1	*	43.8	33.8	*	43.8	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	0.0	3.1	*	0.0	6.6	*	0.0	10.0	*
Carotid Endarterectomy	9	0.0	2.2	*	0.0	4.5	*	0.0	6.7	*
Hip Replacement/Reconstruction	51	2.0	4.2	3.4	9.8	7.8	5.1	11.8	10.5	4.5
Open Reduction of Hip Fracture	37	0.0	4.8	*	0.0	9.3	*	2.7	12.4	*
Prostatectomy	153	0.7	1.2	1.0	2.0	3.1	1.6	3.3	5.2	2.5
Cholecystectomy	51	2.0	3.1	2.6	3.9	5.5	3.6	3.9	7.2	4.5
Hysterectomy	12	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

THE MEDICAL CENTER AT PRINCETON

Princeton, New Jersey 08540-3213 • 609-497-4000

Medicare Provider No. 31-0010

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Medical Center at Princeton would like to offer the following comments on the HCFA Mortality Data as follows:

1. We are in agreement with the mortality data you sent to us;

2. The Medical Center has an ongoing Quality Assurance Program that reviews and assures for high quality care to all of our patients;

3. All deaths at the Medical Center are automatically peer reviewed as part of our quality assurance program;

4. We do not believe that mortality data only is an appropriate measure of the quality of care provided by an individual hospital or to make comparisons among hospitals.

We thank you for the opportunity to comment on the mortality information.

Sincerely,

Dennis W. Doody
President
The Medical Center at Princeton

DWD/do

MEMORIAL HOSPITAL-BURLINGTON COUNTY

175 Madison Ave
Mount Holly, NJ 08060

Medicare Provider Number: 310057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,292	10.4	10.4	1.5	15.7	15.8	1.6	19.3	20.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	133	31.6	27.0	4.9	33.8	30.8	4.6	36.1	34.5	4.3
Congestive Heart Failure	163	19.6	16.8	3.7	31.3	25.9	6.0	38.0	33.1	6.4
Pneumonia/Influenza	180	17.2	19.3	3.2	22.8	25.7	3.6	29.4	30.6	3.5
Chronic Obstructive Pulmonary Disease	54	9.3	8.1	4.1	13.0	14.3	4.9	16.7	19.6	7.3
Transient Cerebral Ischemia	40	0.0	1.9	*	0.0	4.3	*	2.5	6.8	*
Stroke	147	21.8	22.6	3.6	27.2	29.9	4.5	31.3	34.5	5.7
Hip Fracture	112	4.5	9.3	4.6	12.5	16.6	5.7	17.0	21.4	5.6
Sepsis	36	41.7	37.5	*	58.3	47.4	*	61.1	54.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	4.4	*	9.1	7.6	*	9.1	10.7	*
Carotid Endarterectomy	12	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	77	3.9	4.4	2.7	9.1	8.3	3.5	11.7	11.2	3.7
Open Reduction of Hip Fracture	56	0.0	8.8	6.5	10.7	16.5	8.6	14.3	21.6	7.7
Prostatectomy	100	0.0	0.9	1.5	1.0	2.1	2.7	4.0	3.6	3.3
Cholecystectomy	43	2.3	2.3	*	2.3	3.9	*	2.3	4.9	*
Hysterectomy	18	11.1	1.1	*	11.1	2.1	*	11.1	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 365
Occupancy Rate 76
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 318
Percent of Physicians Board Certified Specialists 86
Medical Residents/Interns 17
Registered Nurses 183
Licensed Practical Nurses 41

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL-BURLINGTON COUNTY

Medicare Provider Number: 310057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,163	10.5	10.3	0.6	16.2	15.6	0.7	20.7	19.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	109	28.4	29.6	4.6	32.1	33.2	4.6	36.5	36.9	4.7
Congestive Heart Failure	142	20.4	17.0	6.9	31.7	25.7	8.4	37.3	32.9	8.0
Pneumonia/Influenza	117	27.4	20.5	4.9	38.5	27.2	7.6	44.4	32.4	6.4
Chronic Obstructive Pulmonary Disease	48	8.3	8.4	*	14.6	14.2	*	20.8	19.0	*
Transient Cerebral Ischemia	37	0.0	1.6	*	2.7	3.4	*	5.4	5.3	*
Stroke	123	17.1	22.9	5.4	25.2	29.7	4.9	31.7	34.4	4.6
Hip Fracture	86	3.5	7.7	5.6	10.5	13.8	8.0	12.8	17.5	7.5
Sepsis	25	32.0	33.3	*	36.0	43.6	*	48.0	50.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	6.2	*	5.6	10.3	*	5.6	14.0	*
Carotid Endarterectomy	20	0.0	1.7	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	51	0.0	3.8	4.6	3.9	7.4	6.7	5.9	9.8	7.1
Open Reduction of Hip Fracture	48	2.1	6.8	*	8.3	12.7	*	12.5	16.4	*
Prostatectomy	94	0.0	1.7	2.0	2.1	3.6	3.0	2.1	5.7	4.0
Cholecystectomy	48	2.1	2.9	*	8.3	5.0	*	10.4	6.4	*
Hysterectomy	17	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,747	9.5	10.5	1.9	15.6	15.8	1.6	19.0	19.9	2.5
CONDITIONS:										
Acute Myocardial Infarction	107	33.6	29.4	5.8	35.5	33.1	5.0	37.4	36.6	4.7
Congestive Heart Failure	121	12.4	19.7	5.4	20.7	29.2	5.8	31.4	36.6	5.2
Pneumonia/Influenza	93	22.6	20.0	7.9	32.3	26.6	7.7	34.4	31.8	6.8
Chronic Obstructive Pulmonary Disease	48	6.3	6.9	*	10.4	12.4	*	12.5	17.1	*
Transient Cerebral Ischemia	53	1.9	1.9	2.2	5.7	4.3	3.2	7.5	6.7	3.6
Stroke	121	17.4	25.1	5.2	22.3	32.1	6.4	26.4	36.8	6.5
Hip Fracture	75	9.3	9.0	3.3	16.0	16.2	6.3	18.7	21.0	5.4
Sepsis	20	40.0	35.2	*	45.0	42.9	*	50.0	49.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	4.4	*	8.3	8.1	*	8.3	11.6	*
Carotid Endarterectomy	18	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	42	9.5	5.2	*	19.0	10.1	*	21.4	13.5	*
Open Reduction of Hip Fracture	42	2.4	7.3	*	7.1	13.9	*	7.1	18.2	*
Prostatectomy	69	2.9	1.2	1.7	7.2	3.0	3.4	10.1	4.9	5.4
Cholecystectomy	54	0.0	3.1	*	0.0	5.6	*	0.0	7.3	*
Hysterectomy	10	0.0	1.0	*	0.0	2.4	*	0.0	4.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

83.1

Memorial Hospital of Burlington County

175 Madison Avenue
Mount Holly, New Jersey 08060
Telephone: 609-267-0700

January 15, 1991

The Health Care Finance Administration
6325 Security Boulevard
Baltimore, MD 21207
Atten: Gail R. Wilensky, Ph.D.

re: Medicare Mortality Data for 1987, 1988 and 1989

Dear Sirs:

After receiving the 1989 Medicare Mortality Data and analyzing the comparison with 1987 and 1988 by the new format, we were mildly concerned about an apparent increase in the number of cases listed in the Sepsis Category. There is almost a 70% increase in the number of sepsis cases listed for 1989 as compared to 1988. Although we have had increased admissions, this seems to be inordinately high. For that reason we did a careful review of all the cases listed in the sepsis category to further analyze whether this apparent observation was accurate. In addition, we were concerned about this category because we underwent a review by the PRO for coding accurracy during the summer of 1989. Five of the cases listed in the mortality data were charts that had previously been reviewed by the PRO for coding accurracy and, at the PRO's direction, we were advised to change the principle diagnosis in each case from sepsis to a different diagnosis. The following cases conform to this description: [redacted], [redacted], [redacted], [redacted], [redacted]. In four of those cases the problem was a clinical diagnosis that was not supported by a positive blood culture. The fifth case ([redacted]) is a case of alpha strep bacterial endocarditis which could legitimately be considered septicemia. After further careful review of the 36 cases, we have found an additional five cases that fall into the same category i.e. a clinical diagnosis made without documentation by positive blood cultures. In each case other diagnoses seem more appropriate. The following cases by record number fall into the category just described: [redacted], [redacted], [redacted], [redacted], [redacted] On this basis we then find that 10 of the 36 cases were incorrectly diagnosed as sepsis and, with this correction, the numbers of cases is similar with that seen in 1988.

After additional review of the mortality data we were also somewhat concerned by our experience with congestive heart failure and for that reason we are subjecting all of the listed cases to analysis under the MedisGroup system to determine severity level and quality of care. We find this to be a helpful exercise in the analysis of care at this hospital.

Thank you for sharing this data with us and hopefully further careful analysis will continue to provide meaningful information for improving the care of hospitalized Medicare patients.

Sincerely,

M. Dean Kinsey, M.D.
VP for Medical Affairs
Memorial Hospital of
Burlington County

Robert J. Burg
Executive VP & COO
Memorial Hospital of
Burlington County

/dmc
kinsey01.15

MERCER MEDICAL CENTER

446 Bellevue Ave
Trenton, NJ 08607

Medicare Provider Number: 310044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,043	9.1	9.0	1.1	14.3	14.0	1.2	17.8	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	79	25.3	27.6	6.2	31.6	31.1	6.1	34.2	34.6	6.1
Congestive Heart Failure	107	14.0	13.9	3.8	23.4	21.7	4.3	30.8	28.3	5.0
Pneumonia/Influenza	65	23.1	17.5	5.6	35.4	23.8	8.0	41.5	28.7	8.6
Chronic Obstructive Pulmonary Disease	25	8.0	12.5	*	16.0	20.4	*	24.0	27.1	*
Transient Cerebral Ischemia	51	2.0	1.7	1.9	2.0	3.8	4.9	7.8	6.0	5.3
Stroke	75	14.7	19.7	9.2	21.3	26.9	9.9	26.7	31.5	9.6
Hip Fracture	38	5.3	6.6	*	7.9	12.0	*	13.2	15.7	*
Sepsis	17	35.3	27.7	*	47.1	34.8	*	52.9	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	15.8	4.5	*	15.8	7.5	*	15.8	9.8	*
Carotid Endarterectomy	12	0.0	1.3	*	0.0	2.5	*	16.7	3.7	*
Hip Replacement/Reconstruction	27	0.0	2.1	*	0.0	4.1	*	0.0	5.7	*
Open Reduction of Hip Fracture	24	4.2	5.9	*	8.3	11.3	*	12.5	14.9	*
Prostatectomy	66	1.5	0.9	1.4	3.0	2.4	2.2	3.0	4.0	2.6
Cholecystectomy	25	0.0	2.4	*	0.0	4.1	*	0.0	5.1	*
Hysterectomy	11	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	299
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	150
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	318
Licensed Practical Nurses	66

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCER MEDICAL CENTER

Medicare Provider Number: 310044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,099	8.7	9.4	0.7	14.1	14.5	0.8	17.8	18.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	58	36.2	28.0	12.4	41.4	32.3	12.7	43.1	36.2	12.6
Congestive Heart Failure	145	11.7	14.4	5.2	18.6	21.7	6.8	22.8	28.0	6.2
Pneumonia/Influenza	55	27.3	20.3	11.6	34.5	27.0	11.5	40.0	31.9	10.8
Chronic Obstructive Pulmonary Disease	23	4.3	9.0	*	8.7	14.5	*	17.4	19.4	*
Transient Cerebral Ischemia	47	2.1	2.0	*	4.3	4.4	*	8.5	6.8	*
Stroke	84	17.9	21.4	7.0	21.4	27.8	6.7	27.4	32.5	6.3
Hip Fracture	43	14.0	8.0	*	14.0	14.4	*	25.6	18.4	*
Sepsis	15	33.3	35.2	*	53.3	42.9	*	60.0	49.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	3.4	*	8.3	6.1	*	8.3	8.5	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	25	4.0	5.2	*	4.0	10.0	*	12.0	13.3	*
Open Reduction of Hip Fracture	24	20.8	7.9	*	20.8	14.6	*	29.2	18.8	*
Prostatectomy	86	1.2	1.3	1.4	3.5	3.2	1.9	3.5	5.1	2.8
Cholecystectomy	27	0.0	3.5	*	0.0	6.1	*	3.7	7.7	*
Hysterectomy	22	4.5	1.5	*	9.1	3.1	*	9.1	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,954	8.0	9.8	1.1	13.3	14.7	1.8	17.1	18.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	67	20.9	29.4	10.4	31.3	33.0	11.1	31.3	36.5	7.0
Congestive Heart Failure	106	12.3	15.0	6.9	18.9	22.2	6.3	24.5	28.5	6.2
Pneumonia/Influenza	57	19.3	21.1	5.5	28.1	27.9	6.2	35.1	33.2	6.5
Chronic Obstructive Pulmonary Disease	13	23.1	10.4	*	30.8	17.2	*	38.5	22.6	*
Transient Cerebral Ischemia	45	0.0	1.9	*	2.2	4.0	*	6.7	6.2	*
Stroke	81	14.8	22.5	7.5	21.0	28.9	7.3	25.9	33.6	8.3
Hip Fracture	39	12.8	8.1	*	15.4	14.1	*	20.5	17.9	*
Sepsis	23	17.4	33.6	*	26.1	41.8	*	26.1	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	5.4	*	18.8	9.9	*	25.0	13.4	*
Carotid Endarterectomy	9	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	17	5.9	4.2	*	11.8	8.3	*	11.8	11.3	*
Open Reduction of Hip Fracture	22	13.6	6.7	*	13.6	12.4	*	22.7	15.9	*
Prostatectomy	78	1.3	1.4	1.9	1.3	3.4	3.4	2.6	5.6	4.9
Cholecystectomy	31	0.0	4.2	*	0.0	7.1	*	3.2	9.0	*
Hysterectomy	13	7.7	1.3	*	7.7	2.8	*	7.7	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONMOUTH MEDICAL CENTER

300 2nd Ave
Long Branch, NJ 07740

Medicare Provider Number: 310075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,826	8.2	8.8	0.6	13.9	13.7	1.2	17.8	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	65	23.1	28.6	8.4	24.6	31.9	9.2	26.2	35.5	10.6
Congestive Heart Failure	162	15.4	15.6	2.9	26.5	23.9	3.8	32.1	30.7	4.4
Pneumonia/Influenza	88	15.9	18.0	4.6	27.3	24.4	5.1	31.8	29.5	5.2
Chronic Obstructive Pulmonary Disease	44	15.9	10.0	*	22.7	16.6	*	22.7	22.2	*
Transient Cerebral Ischemia	37	2.7	2.1	*	5.4	4.8	*	5.4	7.6	*
Stroke	95	17.9	18.3	6.3	18.9	25.1	7.0	28.4	29.6	5.0
Hip Fracture	73	4.1	6.4	3.7	13.7	11.7	4.4	17.8	15.3	5.1
Sepsis	45	26.7	31.8	*	37.8	40.4	*	40.0	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	3.6	2.8	*	3.6	5.6	*	7.1	8.3	*
Carotid Endarterectomy	1	0.0	0.7	*	0.0	1.1	*	0.0	1.6	*
Hip Replacement/Reconstruction	49	0.0	3.2	*	0.0	6.0	*	2.0	8.2	*
Open Reduction of Hip Fracture	33	6.1	5.5	*	18.2	10.6	*	21.2	14.1	*
Prostatectomy	64	0.0	1.1	3.0	6.3	2.5	3.9	6.3	4.1	4.2
Cholecystectomy	36	0.0	3.1	*	0.0	6.0	*	5.6	8.2	*
Hysterectomy	9	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	459
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	381
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	116
Registered Nurses	476
Licensed Practical Nurses	147

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MONMOUTH MEDICAL CENTER

Medicare Provider Number: 310075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,845	8.1	9.5	0.7	14.6	14.6	0.7	19.2	18.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	94	29.8	35.9	5.9	38.3	39.5	5.2	44.7	43.3	5.3
Congestive Heart Failure	140	13.6	17.1	3.9	26.4	25.6	3.7	32.9	32.6	4.0
Pneumonia/Influenza	93	14.0	19.0	7.4	22.6	25.1	9.1	25.8	29.9	6.8
Chronic Obstructive Pulmonary Disease	44	13.6	11.8	*	29.5	18.9	*	36.4	24.4	*
Transient Cerebral Ischemia	37	5.4	2.2	*	5.4	5.0	*	5.4	8.0	*
Stroke	74	17.6	21.5	7.8	21.6	27.4	7.7	28.4	31.8	6.6
Hip Fracture	70	7.1	7.0	4.2	17.1	13.0	5.9	20.0	17.0	6.9
Sepsis	41	29.3	26.6	*	51.2	34.7	*	53.7	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	20.8	10.7	*	29.2	13.9	*	29.2	17.0	*
Carotid Endarterectomy	12	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	34	2.9	2.6	*	2.9	5.1	*	2.9	6.9	*
Open Reduction of Hip Fracture	28	3.6	6.3	*	14.3	12.1	*	17.9	16.2	*
Prostatectomy	88	0.0	0.9	1.3	1.1	2.3	1.8	2.3	3.7	2.4
Cholecystectomy	38	2.6	4.4	*	5.3	7.8	*	10.5	10.0	*
Hysterectomy	9	0.0	1.1	*	0.0	2.1	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,849	8.7	9.8	1.3	15.2	15.0	3.8	19.4	19.2	4.9
CONDITIONS:										
Acute Myocardial Infarction	80	30.0	33.0	7.4	33.7	36.7	6.0	40.0	40.5	5.7
Congestive Heart Failure	123	19.5	18.0	6.0	29.3	26.8	5.9	36.6	34.2	5.1
Pneumonia/Influenza	104	17.3	19.8	4.1	32.7	26.4	5.1	38.5	31.6	5.5
Chronic Obstructive Pulmonary Disease	50	8.0	15.2	*	22.0	23.0	*	28.0	28.8	*
Transient Cerebral Ischemia	44	0.0	1.8	*	0.0	3.7	*	0.0	5.8	*
Stroke	91	13.2	26.4	6.1	28.6	33.2	5.2	34.1	38.0	5.3
Hip Fracture	60	5.0	6.7	4.5	10.0	11.9	6.6	13.3	15.5	5.7
Sepsis	55	36.4	31.0	11.3	60.0	39.9	9.5	69.1	47.2	9.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	0.0	4.2	*	11.1	8.2	*	14.8	11.8	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	43	2.3	3.6	*	7.0	7.0	*	9.3	9.5	*
Open Reduction of Hip Fracture	30	3.3	6.0	*	6.7	10.8	*	6.7	14.1	*
Prostatectomy	69	0.0	0.9	1.4	1.4	2.1	1.8	1.4	3.6	2.9
Cholecystectomy	37	0.0	3.2	*	2.7	5.4	*	8.1	6.8	*
Hysterectomy	18	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MONTCLAIR COMMUNITY HOSPITAL

120 Harrison Ave
Montclair, NJ 07042

Medicare Provider Number: 310043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	826	12.2	11.8	1.4	18.3	17.5	1.8	22.5	21.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	42	14.3	31.1	*	19.0	35.4	*	23.8	39.8	*
Congestive Heart Failure	42	16.7	15.7	*	26.2	23.7	*	35.7	30.5	*
Pneumonia/Influenza	61	27.9	21.4	7.5	32.8	28.6	6.9	32.8	34.1	8.6
Chronic Obstructive Pulmonary Disease	12	16.7	11.6	*	33.3	17.6	*	33.3	22.8	*
Transient Cerebral Ischemia	16	0.0	2.3	*	0.0	5.3	*	0.0	8.6	*
Stroke	46	21.7	26.4	*	30.4	34.0	*	45.7	39.1	*
Hip Fracture	35	2.9	6.3	*	11.4	11.4	*	11.4	14.9	*
Sepsis	10	50.0	21.4	*	60.0	28.9	*	60.0	35.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.9	*	33.3	9.1	*	33.3	12.7	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	16	6.3	5.2	*	6.3	9.8	*	6.3	13.0	*
Open Reduction of Hip Fracture	18	0.0	5.5	*	11.1	10.4	*	11.1	13.8	*
Prostatectomy	24	0.0	1.2	*	0.0	3.1	*	0.0	5.4	*
Cholecystectomy	14	7.1	1.9	*	7.1	3.7	*	7.1	5.0	*
Hysterectomy	7	0.0	2.1	*	0.0	4.7	*	0.0	7.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 100
Occupancy Rate 51
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 279
Percent of Physicians Board Certified Specialists 70
Medical Residents/Interns 0
Registered Nurses 60
Licensed Practical Nurses 22

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MONTCLAIR COMMUNITY HOSPITAL

Medicare Provider Number: 310043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	965	11.6	11.5	1.3	17.5	17.3	1.6	20.9	21.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	41	17.1	28.4	*	26.8	32.4	*	26.8	36.3	*
Congestive Heart Failure	77	13.0	16.7	5.8	26.0	25.3	5.1	28.6	32.1	6.8
Pneumonia/Influenza	62	19.4	19.2	7.9	24.2	25.1	7.2	27.4	29.8	6.1
Chronic Obstructive Pulmonary Disease	9	11.1	12.4	*	22.2	20.2	*	44.4	26.8	*
Transient Cerebral Ischemia	18	5.6	2.2	*	5.6	5.1	*	5.6	8.1	*
Stroke	47	17.0	23.2	*	23.4	30.2	*	27.7	34.9	*
Hip Fracture	32	3.1	5.9	*	9.4	11.0	*	12.5	14.4	*
Sepsis	10	20.0	27.4	*	30.0	34.4	*	50.0	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	7.4	*	0.0	12.3	*	0.0	15.9	*
Carotid Endarterectomy	1	0.0	2.3	*	0.0	5.5	*	0.0	8.3	*
Hip Replacement/Reconstruction	13	7.7	5.4	*	7.7	10.5	*	15.4	13.9	*
Open Reduction of Hip Fracture	18	0.0	5.3	*	11.1	10.4	*	11.1	13.9	*
Prostatectomy	33	9.1	1.5	*	9.1	3.6	*	12.1	5.8	*
Cholecystectomy	15	13.3	3.9	*	20.0	8.0	*	26.7	11.2	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	982	9.6	10.6	2.0	16.0	16.0	3.4	20.6	20.2	4.5
CONDITIONS:										
Acute Myocardial Infarction	47	29.8	34.3	*	29.8	38.2	*	36.2	42.3	*
Congestive Heart Failure	66	9.1	16.2	6.3	25.8	24.5	5.8	33.3	31.5	5.8
Pneumonia/Influenza	40	17.5	18.2	*	25.0	24.1	*	30.0	29.1	*
Chronic Obstructive Pulmonary Disease	11	9.1	9.3	*	18.2	17.4	*	27.3	23.8	*
Transient Cerebral Ischemia	21	4.8	3.4	*	9.5	7.8	*	19.0	12.3	*
Stroke	47	21.3	22.3	*	29.8	29.1	*	34.0	33.6	*
Hip Fracture	40	7.5	6.3	*	10.0	11.5	*	15.0	15.1	*
Sepsis	7	28.6	32.6	*	42.9	40.3	*	42.9	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.9	*	0.0	6.4	*	20.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	10.7	6.9	*	10.7	11.6	*	14.3	15.0	*
Open Reduction of Hip Fracture	13	7.7	6.0	*	15.4	11.6	*	23.1	15.5	*
Prostatectomy	34	5.9	2.5	*	5.9	5.8	*	8.8	9.1	*
Cholecystectomy	16	0.0	2.6	*	0.0	5.1	*	0.0	7.2	*
Hysterectomy	7	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MORRISTOWN MEMORIAL HOSPITAL

100 Madison Ave
Morristown, NJ 07960

Medicare Provider Number: 310015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,799	10.6	9.7	2.2	15.9	14.8	3.5	19.6	18.8	3.7
CONDITIONS:										
Acute Myocardial Infarction	125	28.0	29.7	4.2	32.8	33.0	5.2	33.6	36.3	4.6
Congestive Heart Failure	151	17.2	15.8	3.2	26.5	24.5	3.9	31.8	31.5	3.9
Pneumonia/Influenza	166	24.1	17.9	5.1	31.9	24.0	5.8	36.7	28.6	5.8
Chronic Obstructive Pulmonary Disease	16	37.5	9.8	*	37.5	16.1	*	37.5	21.6	*
Transient Cerebral Ischemia	46	4.3	1.8	*	4.3	4.1	*	13.0	6.5	*
Stroke	98	26.5	24.8	4.8	38.8	31.7	5.9	45.9	36.3	7.4
Hip Fracture	119	5.9	7.0	2.6	12.6	12.4	4.0	15.1	16.1	3.6
Sepsis	23	39.1	30.2	*	47.8	36.7	*	47.8	42.1	*
PROCEDURES:										
Angioplasty	42	0.0	2.6	*	0.0	3.4	*	0.0	4.4	*
Coronary Artery Bypass Graft	82	8.5	5.4	2.8	8.5	8.2	3.1	8.5	10.1	3.8
Initial Pacemaker Insertion	46	6.5	3.7	*	6.5	6.9	*	6.5	9.9	*
Carotid Endarterectomy	12	16.7	1.4	*	16.7	2.7	*	16.7	3.9	*
Hip Replacement/Reconstruction	73	2.7	2.2	2.5	6.8	4.2	3.9	6.8	5.7	3.4
Open Reduction of Hip Fracture	68	5.9	6.7	3.9	13.2	12.3	4.1	16.2	16.2	4.5
Prostatectomy	130	0.8	1.1	1.4	3.8	2.7	1.9	6.2	4.4	2.4
Cholecystectomy	72	1.4	3.9	3.1	5.6	7.0	3.7	6.9	9.1	3.9
Hysterectomy	25	8.0	0.6	*	8.0	1.5	*	8.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds	558
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	473
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	96
Registered Nurses	380
Licensed Practical Nurses	91

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MORRISTOWN MEMORIAL HOSPITAL

Medicare Provider Number: 310015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,567	10.4	9.5	0.8	15.9	14.6	1.0	19.7	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	91	27.5	27.7	5.5	31.9	31.1	5.4	36.3	34.5	5.7
Congestive Heart Failure	146	9.6	15.7	5.5	19.9	23.9	6.0	24.7	30.9	7.1
Pneumonia/Influenza	144	26.4	18.6	4.3	28.5	25.1	3.9	32.6	30.0	4.0
Chronic Obstructive Pulmonary Disease	25	12.0	10.6	*	28.0	16.8	*	32.0	21.8	*
Transient Cerebral Ischemia	49	4.1	2.3	*	8.2	4.8	*	14.3	7.6	*
Stroke	101	24.8	22.8	8.1	35.6	30.3	7.5	36.6	35.1	5.3
Hip Fracture	114	9.6	7.6	3.1	16.7	13.5	4.7	21.9	17.2	7.4
Sepsis	30	40.0	26.9	*	50.0	34.3	*	53.3	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	3.7	*	12.5	6.7	*	16.7	9.5	*
Carotid Endarterectomy	11	0.0	1.9	*	0.0	3.7	*	0.0	5.4	*
Hip Replacement/Reconstruction	77	1.3	3.2	3.3	5.2	6.2	4.1	9.1	8.1	4.5
Open Reduction of Hip Fracture	69	10.1	6.8	4.6	18.8	12.9	7.0	23.2	16.8	9.8
Prostatectomy	146	1.4	1.2	0.9	1.4	2.9	2.0	4.1	4.6	1.9
Cholecystectomy	66	1.5	5.1	4.1	7.6	8.6	5.1	9.1	10.8	4.7
Hysterectomy	31	3.2	1.4	*	3.2	2.9	*	3.2	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,639	9.8	9.8	0.5	15.3	15.1	0.8	19.2	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	108	27.8	30.0	4.6	33.3	33.5	4.9	36.1	36.9	4.8
Congestive Heart Failure	171	16.4	17.5	3.9	26.9	26.4	3.5	31.6	33.5	4.2
Pneumonia/Influenza	143	21.7	17.7	4.4	28.7	23.7	6.7	32.2	28.4	5.9
Chronic Obstructive Pulmonary Disease	37	13.5	11.2	*	18.9	18.3	*	18.9	23.3	*
Transient Cerebral Ischemia	58	1.7	2.2	3.4	8.6	4.7	5.7	12.1	7.2	8.0
Stroke	126	22.2	25.8	6.2	30.2	32.5	6.1	35.7	37.1	5.3
Hip Fracture	98	5.1	8.0	4.1	12.2	14.3	6.3	14.3	18.3	7.6
Sepsis	29	48.3	37.1	*	62.1	45.4	*	65.5	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	2.6	*	8.7	5.8	*	8.7	9.1	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	70	1.4	4.5	3.5	8.6	8.4	4.1	10.0	11.2	4.2
Open Reduction of Hip Fracture	47	6.4	6.8	*	10.6	12.8	*	12.8	16.7	*
Prostatectomy	130	0.8	0.9	1.2	0.8	2.2	2.1	3.1	3.7	1.7
Cholecystectomy	57	5.3	4.3	3.1	8.8	7.2	3.7	12.3	8.8	5.2
Hysterectomy	32	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MORRISTOWN MEMORIAL HOSPITAL
100 MADISON AVENUE / MORRISTOWN, NEW JERSEY 07962-1956

A Major Teaching Affiliate of The Columbia University College of Physicians and Surgeons

Telephone: (201) 540-5134

January 14, 1991

Using statistical data supplied by HCFA a range of expected mortality was identified for each procedure and condition included in the Medicare analysis. Wherever the observed rate exceeded the predicted rate, by calculating a more precise prediction interval with a confidence range of 95%, all of Morristown Memorial Hospital's observed rates fell well within the expected range for all three years, 1987 through 1989.

In those three conditions and three procedures (for FY 1989) where a standard deviation was not calculated by HCFA because of small sample size, and this hospital's observed rate exceeded the predicted rate (but the significance couldn't be evaluated) each case history was reviewed in detail.

CONDITIONS:

1. Chronic Obstructive Pulmonary Disease (6 patients)
   All patients had advanced lung disease. Of the five who died in the hospital, one had metastatic cancer, two were "do not resuscitate" patients and two patients requested that no agressive management be pursued because they were so debilitated. The sixth patient, who required oxygen at all times, suffered from organic brain syndrome and seizures secondary to hypoxia; he expired in a nursing home.

2. Sepsis (12 patients)
   In general, these patients were severely ill on admission, exhibiting an average severity of 3 ("Medisgroups" rating ranges from 0 to 4) which means they had both acute and severe findings indicating a high potential for imminent organ failure.

   Three patients died within one day of admission, showing no response to treatment; one was in septic shock on entry, one had metastatic cancer and the third came from a nursing home with meningitis and pneumonia.

   Four patients, average age 86, were admitted from nursing homes with multi-system disease so severe that physician and family decided that "do not resuscitate" was appropriate. A fifth "do not resuscitate" patient had a long history of multiple sclerosis and chronic urinary infection which did not respond to treatment.

   One patient was immuno-suppressed by treatment for another problem and died of pneumonocystis pneumonia. Another survived the sepsis but died 5 months later of metastatic cancer.

One patient with hepatic coma and sepsis was transferred from another hospital and survived for 19 days before succumbing to liver failure.

The only patient who died out of the hospital was an elderly diabetic who survived her sepsis only to die of pneumonia 6 months later.

3. Transient Cerebral Ischemia (8 patients)
None of these patients died on their admission for this condition. They expired after discharge due to co-existing major medical problems. Two died at home of cancer. Two died of heart disease on subsequent admissions. One died a year later of respiratory failure. One was transferred to a nursing home and died 4 months later of what the doctor felt was cancer. One died 3 months later of aortic stenosis. The last patient, a diabetic, is thought to have had a hypoglycemic episode rather than a transient ischemic attack and died on a subsequent admission of pneumonia and sepsis.

4. Hysterectomy (2 patients)
Both deaths occurred in elderly women with uterine cancer.

5. Carotid Endarterectomy (2 patients)
Both deaths occurred in patients with a prior history of stroke which is known to increase the risk of this procedure. One died of a massive intra-operative stroke and the other died one week post op from severe underlying heart disease.

6. Initial Pacemaker Insertion (6 patients)
This elderly group of patients had an average age of 84.5. Two patients had cancer; one died 2 weeks after discharge of heart failure and the other died 14 months after discharge of unknown cause, although he had evidence of bone metastases on this hospitalization. A third patient, age 95, died 9 months after discharge from an overwhelming urinary infection. Two patients died of heart disease within six months of discharge. The sixth patient died of complications of the pacemaker insertion.

No comment is possible regarding the mortality data for 1987 and 1988 (where HCFA did not supply a standard deviation) because these patients were not identified in the material given to this hospital by HCFA.

RBA:pmm
1/14/91

MOUNTAINSIDE HOSPITAL

Bay Highland Aves
Montclair, NJ 07042

Medicare Provider Number: 310054

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,650	9.9	9.7	1.8	15.9	14.7	2.8	19.8	18.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	156	21.8	31.0	4.5	30.1	34.9	4.3	33.3	38.5	4.3
Congestive Heart Failure	190	14.7	16.2	3.1	25.3	24.6	3.2	30.5	31.5	4.1
Pneumonia/Influenza	145	22.1	18.5	5.4	25.5	24.7	4.7	29.0	29.6	4.1
Chronic Obstructive Pulmonary Disease	28	0.0	7.0	*	7.1	12.4	*	7.1	17.5	*
Transient Cerebral Ischemia	89	3.4	2.3	2.3	9.0	5.1	4.3	10.1	8.1	4.5
Stroke	123	26.0	24.1	4.2	34.1	30.9	5.4	41.5	35.5	7.7
Hip Fracture	113	6.2	6.7	3.0	12.4	12.1	4.3	14.2	15.8	4.3
Sepsis	52	30.8	32.5	10.3	40.4	41.9	7.3	46.2	48.4	7.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	5.4	4.0	*	5.4	7.8	*	8.1	11.4	*
Carotid Endarterectomy	22	4.5	1.1	*	4.5	2.1	*	4.5	3.0	*
Hip Replacement/Reconstruction	98	6.1	3.8	2.7	11.2	7.2	3.9	14.3	9.9	5.5
Open Reduction of Hip Fracture	56	3.6	6.2	4.5	7.1	11.7	6.9	7.1	15.3	7.7
Prostatectomy	165	0.0	0.7	0.8	1.8	1.8	1.5	1.8	3.1	1.9
Cholecystectomy	43	2.3	2.7	*	7.0	5.3	*	9.3	7.3	*
Hysterectomy	16	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 331
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 389
Percent of Physicians Board Certified Specialists 76
Medical Residents/Interns 40
Registered Nurses 317
Licensed Practical Nurses 21

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

MOUNTAINSIDE HOSPITAL

Medicare Provider Number: 310054

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,494	9.7	10.2	0.7	15.3	15.3	0.9	18.9	19.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	164	32.9	33.5	4.0	41.5	37.1	4.2	42.1	41.0	3.9
Congestive Heart Failure	132	15.9	17.6	3.8	23.5	26.6	6.7	31.1	33.9	7.2
Pneumonia/Influenza	103	22.3	19.2	5.2	27.2	25.5	5.1	29.1	30.3	4.6
Chronic Obstructive Pulmonary Disease	23	0.0	7.6	*	17.4	13.9	*	17.4	19.4	*
Transient Cerebral Ischemia	70	2.9	2.4	3.3	5.7	5.2	4.0	7.1	8.2	4.0
Stroke	118	22.9	24.0	4.3	28.8	31.5	4.9	33.1	36.5	6.4
Hip Fracture	109	2.8	7.1	3.9	9.2	13.0	4.5	11.9	16.9	5.9
Sepsis	30	6.7	30.8	*	20.0	38.8	*	23.3	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	5.6	*	10.0	9.1	*	10.0	12.1	*
Carotid Endarterectomy	7	0.0	2.2	*	0.0	4.5	*	0.0	6.3	*
Hip Replacement/Reconstruction	70	0.0	3.2	3.9	5.7	6.3	3.0	8.6	8.6	3.4
Open Reduction of Hip Fracture	61	3.3	6.7	4.7	8.2	12.7	8.6	9.8	16.7	11.0
Prostatectomy	191	2.6	1.4	1.1	5.2	3.2	1.9	6.3	5.1	1.8
Cholecystectomy	43	4.7	3.1	*	4.7	5.5	*	4.7	7.4	*
Hysterectomy	18	0.0	0.8	*	5.6	1.6	*	5.6	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,289	9.5	10.3	0.8	15.2	15.5	1.3	19.1	19.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	127	32.3	32.7	4.2	36.2	36.5	4.4	37.8	40.2	5.1
Congestive Heart Failure	116	12.1	17.1	5.3	17.2	25.6	6.4	24.1	32.4	7.1
Pneumonia/Influenza	105	17.1	20.3	9.3	27.6	26.7	10.9	31.4	31.5	6.8
Chronic Obstructive Pulmonary Disease	30	16.7	9.1	*	20.0	14.7	*	20.0	19.2	*
Transient Cerebral Ischemia	58	1.7	2.2	2.2	5.2	4.7	2.9	6.9	7.3	3.4
Stroke	125	22.4	25.5	4.8	30.4	32.5	6.0	35.2	37.3	5.6
Hip Fracture	112	7.1	7.0	3.5	14.3	12.7	3.7	16.1	16.4	3.5
Sepsis	21	47.6	30.0	*	57.1	38.2	*	61.9	44.5	*
PROCEDURES:										
Angioplasty	1	0.0	1.3	*	0.0	2.0	*	0.0	3.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	43	4.7	5.0	*	11.6	9.8	*	11.6	14.0	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	69	4.3	4.4	4.2	10.1	8.3	4.8	11.6	10.9	4.3
Open Reduction of Hip Fracture	64	4.7	6.4	3.4	10.9	11.9	4.3	14.1	15.5	4.9
Prostatectomy	181	1.1	1.0	1.0	1.7	2.5	1.4	3.3	4.0	1.6
Cholecystectomy	36	8.3	2.4	*	8.3	4.3	*	8.3	5.5	*
Hysterectomy	27	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MUHLENBERG HOSPITAL

Park Ave Randolph Rd
Plainfield, NJ 07060

Medicare Provider Number: 310063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,888	11.4	9.4	3.2	16.9	14.5	3.3	20.3	18.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	90	35.6	28.7	8.1	47.8	31.6	7.3	48.9	34.7	7.1
Congestive Heart Failure	135	20.7	16.1	3.8	32.6	24.6	4.8	43.7	31.5	6.2
Pneumonia/Influenza	96	30.2	17.5	5.9	34.4	23.4	6.1	35.4	28.1	5.7
Chronic Obstructive Pulmonary Disease	34	17.6	9.4	*	32.4	16.5	*	38.2	22.3	*
Transient Cerebral Ischemia	53	0.0	1.9	2.4	0.0	4.2	4.2	1.9	6.7	4.8
Stroke	132	22.0	21.8	3.6	29.5	28.5	4.1	30.3	33.0	4.6
Hip Fracture	62	8.1	7.2	5.1	12.9	12.8	4.3	14.5	16.7	5.0
Sepsis	31	29.0	31.4	*	35.5	40.9	*	45.2	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	7.7	5.1	*	11.5	9.8	*	11.5	13.9	*
Carotid Endarterectomy	22	4.5	1.3	*	4.5	2.2	*	4.5	3.2	*
Hip Replacement/Reconstruction	50	2.0	3.8	*	4.0	7.4	*	10.0	10.1	*
Open Reduction of Hip Fracture	27	7.4	6.5	*	11.1	12.2	*	11.1	16.1	*
Prostatectomy	100	1.0	0.8	1.2	2.0	2.0	2.0	2.0	3.3	2.5
Cholecystectomy	56	0.0	3.6	4.1	3.6	6.4	4.6	7.1	8.4	4.3
Hysterectomy	23	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	362
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	271
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	31
Registered Nurses	351
Licensed Practical Nurses	37

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MUHLENBERG HOSPITAL

Medicare Provider Number: 310063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,882	10.2	10.0	0.7	16.5	15.3	1.0	20.6	19.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	95	32.6	30.5	5.0	35.8	34.3	5.0	40.0	38.0	5.4
Congestive Heart Failure	134	14.9	17.6	3.9	26.9	26.2	4.1	32.8	33.1	4.7
Pneumonia/Influenza	87	14.9	16.9	4.8	26.4	22.4	6.2	28.7	26.7	5.9
Chronic Obstructive Pulmonary Disease	37	8.1	9.7	*	18.9	16.6	*	29.7	22.6	*
Transient Cerebral Ischemia	65	1.5	2.1	1.9	3.1	4.6	2.9	6.2	7.1	3.6
Stroke	137	20.4	20.7	3.7	30.7	27.4	5.0	34.3	32.0	4.5
Hip Fracture	67	4.5	6.6	3.9	11.9	12.0	4.0	16.4	15.5	5.1
Sepsis	38	26.3	29.4	*	39.5	38.3	*	47.4	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	13.5	*	7.7	17.7	*	7.7	21.1	*
Carotid Endarterectomy	23	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	28	0.0	3.5	*	10.7	7.4	*	14.3	10.6	*
Open Reduction of Hip Fracture	43	7.0	5.7	*	11.6	10.9	*	18.6	14.3	*
Prostatectomy	73	1.4	1.8	1.9	4.1	4.2	2.7	8.2	6.8	3.3
Cholecystectomy	48	0.0	2.8	*	0.0	5.1	*	2.1	6.7	*
Hysterectomy	24	0.0	0.8	*	0.0	1.7	*	4.2	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,916	10.4	10.4	1.3	16.1	15.7	1.4	20.2	19.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	104	26.9	29.5	5.6	32.7	32.9	5.5	34.6	36.4	5.2
Congestive Heart Failure	172	13.4	18.2	6.3	23.8	27.0	6.8	31.4	34.1	5.2
Pneumonia/Influenza	92	21.7	18.8	6.2	28.3	25.0	6.5	33.7	30.0	7.5
Chronic Obstructive Pulmonary Disease	48	6.3	12.8	*	20.8	20.1	*	29.2	25.2	*
Transient Cerebral Ischemia	70	0.0	2.0	2.4	2.9	4.2	3.0	5.7	6.7	3.4
Stroke	144	20.1	24.5	4.2	29.2	31.5	4.6	34.7	36.1	4.3
Hip Fracture	70	8.6	8.0	5.0	18.6	14.1	7.5	22.9	18.0	9.3
Sepsis	26	30.8	34.8	*	50.0	45.6	*	53.8	53.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	5.3	*	20.0	9.1	*	20.0	12.3	*
Carotid Endarterectomy	22	4.5	1.7	*	4.5	3.1	*	4.5	4.5	*
Hip Replacement/Reconstruction	49	10.2	5.0	*	18.4	9.4	*	22.4	12.3	*
Open Reduction of Hip Fracture	28	7.1	6.6	*	14.3	12.1	*	21.4	15.7	*
Prostatectomy	90	1.1	1.7	1.5	3.3	4.1	2.4	7.8	6.5	2.9
Cholecystectomy	61	4.9	3.1	3.4	6.6	5.4	3.3	8.2	7.1	3.4
Hysterectomy	24	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEWARK BETH ISRAEL MEDICAL CENTER

201 Lyons Ave
Newark, NJ 07112

Medicare Provider Number: 310002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,601	7.6	7.8	0.7	13.1	12.2	1.1	17.0	15.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	50	14.0	29.0	*	26.0	32.2	*	32.0	35.5	*
Congestive Heart Failure	134	14.2	15.8	5.7	23.1	24.6	5.4	30.6	31.7	5.0
Pneumonia/Influenza	44	20.5	16.7	*	27.3	22.4	*	34.1	27.0	*
Chronic Obstructive Pulmonary Disease	41	7.3	9.3	*	9.8	15.6	*	14.6	20.8	*
Transient Cerebral Ischemia	23	0.0	1.7	*	8.7	3.7	*	8.7	5.7	*
Stroke	63	20.6	19.3	5.0	34.9	25.8	7.6	39.7	30.2	8.7
Hip Fracture	12	8.3	5.8	*	16.7	10.0	*	16.7	12.8	*
Sepsis	25	28.0	25.5	*	52.0	33.5	*	56.0	39.6	*
PROCEDURES:										
Angioplasty	136	1.5	1.8	1.2	2.9	2.7	1.5	3.7	3.7	1.6
Coronary Artery Bypass Graft	223	6.7	5.7	1.7	13.5	8.5	2.7	16.6	10.2	2.7
Initial Pacemaker Insertion	49	2.0	2.6	*	6.1	5.3	*	8.2	8.0	*
Carotid Endarterectomy	11	0.0	1.8	*	0.0	3.6	*	0.0	5.4	*
Hip Replacement/Reconstruction	18	5.6	1.9	*	11.1	3.6	*	11.1	5.0	*
Open Reduction of Hip Fracture	5	0.0	6.1	*	0.0	10.6	*	0.0	13.3	*
Prostatectomy	46	0.0	1.4	*	2.2	3.5	*	2.2	5.7	*
Cholecystectomy	8	12.5	1.8	*	12.5	2.8	*	12.5	3.4	*
Hysterectomy	5	0.0	3.9	*	20.0	6.6	*	20.0	8.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 545
Occupancy Rate 85
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 631
Percent of Physicians Board Certified Specialists 79
Medical Residents/Interns 80
Registered Nurses 755
Licensed Practical Nurses 77

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NEWARK BETH ISRAEL MEDICAL CENTER

Medicare Provider Number: 310002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,504	7.9	7.0	0.7	12.9	11.2	0.9	16.3	14.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	42	28.6	30.6	*	35.7	34.4	*	38.1	38.2	*
Congestive Heart Failure	97	11.3	14.2	6.6	17.5	22.1	5.8	27.8	28.8	4.7
Pneumonia/Influenza	41	9.8	16.3	*	14.6	21.6	*	22.0	25.9	*
Chronic Obstructive Pulmonary Disease	26	0.0	9.1	*	0.0	15.2	*	7.7	19.9	*
Transient Cerebral Ischemia	20	0.0	1.6	*	0.0	3.1	*	5.0	4.6	*
Stroke	57	15.8	18.4	6.3	24.6	24.9	5.8	33.3	29.4	7.3
Hip Fracture	15	0.0	8.6	*	6.7	15.2	*	6.7	19.0	*
Sepsis	22	22.7	24.6	*	27.3	32.9	*	31.8	38.5	*
PROCEDURES:										
Angioplasty	116	2.6	2.5	2.4	2.6	3.7	2.2	2.6	5.0	2.7
Coronary Artery Bypass Graft	200	12.5	6.5	2.3	19.5	9.2	3.3	21.5	10.8	3.4
Initial Pacemaker Insertion	62	6.5	5.0	3.4	9.7	9.0	3.8	9.7	12.3	5.4
Carotid Endarterectomy	11	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	22	9.1	2.2	*	18.2	4.3	*	18.2	6.0	*
Open Reduction of Hip Fracture	6	0.0	11.8	*	0.0	21.8	*	0.0	27.6	*
Prostatectomy	47	0.0	1.4	*	2.1	3.6	*	4.3	6.0	*
Cholecystectomy	18	5.6	2.5	*	5.6	4.0	*	5.6	5.0	*
Hysterectomy	11	0.0	0.4	*	0.0	0.8	*	9.1	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,353	7.3	6.7	1.4	13.2	10.7	3.3	16.7	13.9	3.5
CONDITIONS:										
Acute Myocardial Infarction	59	25.4	26.0	5.7	32.2	29.5	6.1	37.3	33.0	6.5
Congestive Heart Failure	95	15.8	12.4	4.1	21.1	19.6	4.6	23.2	25.7	5.6
Pneumonia/Influenza	38	7.9	15.1	*	18.4	20.3	*	21.1	24.7	*
Chronic Obstructive Pulmonary Disease	21	4.8	7.6	*	9.5	14.0	*	14.3	19.2	*
Transient Cerebral Ischemia	24	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Stroke	49	14.3	18.5	*	20.4	24.8	*	22.4	29.1	*
Hip Fracture	18	11.1	5.4	*	16.7	9.9	*	38.9	13.1	*
Sepsis	14	28.6	24.3	*	50.0	31.1	*	50.0	36.3	*
PROCEDURES:										
Angioplasty	77	1.3	3.5	3.0	1.3	4.8	3.6	2.6	6.2	4.0
Coronary Artery Bypass Graft	187	8.6	6.2	2.8	11.2	9.3	2.7	12.3	11.1	2.5
Initial Pacemaker Insertion	50	2.0	3.1	*	6.0	6.0	*	8.0	8.6	*
Carotid Endarterectomy	14	0.0	1.6	*	7.1	3.1	*	14.3	4.6	*
Hip Replacement/Reconstruction	22	0.0	2.8	*	4.5	5.2	*	13.6	7.0	*
Open Reduction of Hip Fracture	4	0.0	4.5	*	0.0	8.5	*	25.0	11.2	*
Prostatectomy	43	0.0	1.1	*	2.3	2.5	*	7.0	4.1	*
Cholecystectomy	13	0.0	1.7	*	0.0	2.9	*	7.7	4.0	*
Hysterectomy	6	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

97.1

THE Beth
TECHNOLOGY WITH COMPASSION

NEWARK BETH ISRAEL
MEDICAL CENTER

201 Lyons Avenue at Osborne Terrace
Newark, New Jersey 07112
Telecopier: (201) 926-8371
Telephone: (201) 926-

FOR RELEASE WITH MEDICARE MORTALITY REPORT # 310002

Newark Beth Israel Medical Center (NBIMC) offers a complete spectrum of cardiac services including Electrophysiology, Percutaneous Angioplasty and an Intra-Aortic Balloon Pump (IABP) Transport. Approximately fifty percent (50%) of the Medicare patients in this study represent transfers from other institutions. Many of these patients are in critical condition prior to surgical intervention.

As an aid to predicting patient outcomes, the State of New Jersey has adopted "A Method of Stratifying Risk For Evaluating The Results Of Surgery In Acquired Adult Heart Disease" authored at NBIMC, as an accepted methodology. NBIMC's outcomes for all patients, according to the methodology outlined in the above referenced publication, are displayed in Table 1 and Table 2. The results indicate that the Medical Center's mortality for all patients is within the expected range in both low and high risk categories. The methodology as outlined is currently applied statewide.

-end-

Editors Note: Please print Table 1 and Table 2 on one page. Thank you.

Beth
TECHNOLOGY WITH COMPASSION

NEWARK BETH ISRAEL
MEDICAL CENTER

201 Lyons Avenue at Osborne Terrace
Newark, New Jersey 07112
Telecopier: (201) 926-8371
Telephone: (201) 926-

OPEN HEART
PREOPERATIVE RISK EVALUATION
01/01/89 THROUGH 12/31/89
MORTALITY WITHIN 30 DAYS
ALL PROCEDURES

TABLE 1

Medicare Provider # 310002

	RISK GROUPS					
	0-10		11+		OVERALL	
SURGEON	N/E	%	N/E	%	N/E	%
[redacted]	54/0	0.0	21/3	14.3	75/3	4.0
EXPECTED		5.0		15.1		7.9
[redacted]	70/3	4.3	90/13	14.4	160/16	10.0
EXPECTED		5.4		22.9		15.3
[redacted]	118/7	5.9	72/15	20.8	190/22	11.6
EXPECTED		5.0		16.6		9.4
[redacted]	135/0	0.0	72/4	5.6	207/4	1.9
EXPECTED		4.8		16.3		8.8
[redacted]	89/7	7.9	69/11	15.9	158/18	11.4
EXPECTED		5.3		18.0		10.9
[redacted]	47/3	6.4	42/8	19.1	89/11	12.4
EXPECTED		5.6		17.0		11.0
[redacted]	16/2	12.5	12/1	8.3	28/3	10.7
EXPECTED		5.5		15.8		9.9
	529/22	4.2	378/55	14.6	907/77	8.5
EXPECTED		5.1		18.3		10.6

N NUMBER OF PATIENTS
E NUMBER OF PATIENTS EXPIRED

OPEN HEART
PREOPERATIVE RISK EVALUATION
01/01/89 THROUGH 12/31/89
OVERALL MORTALITY
ALL PROCEDURES

TABLE 2

	RISK GROUPS					
	0-10		11+		OVERALL	
SURGEON	N/E	%	N/E	%	N/E	%
[redacted]	54/0	0.0	21/3	14.3	75/3	4.0
EXPECTED		5.0		15.1		7.9
[redacted]	70/3	4.3	90/16	17.8	160/19	11.9
EXPECTED		5.4		22.9		15.3
[redacted]	118/7	5.9	72/16	22.2	190/23	12.1
EXPECTED		5.0		16.6		9.4
[redacted]	135/0	0.0	72/6	8.3	207/6	2.9
EXPECTED		4.8		16.3		8.8
[redacted]	89/7	7.9	69/14	20.3	158/21	13.3
EXPECTED		5.3		18.0		10.9
[redacted]	47/5	10.6	42/8	19.1	89/13	14.6
EXPECTED		5.6		17.0		11.0
[redacted]	16/2	12.5	12/2	16.7	28/4	14.3
EXPECTED		5.5		15.8		9.9
	529/24	4.5	378/65	17.2	907/89	9.8
EXPECTED		5.1		18.3		10.6

N NUMBER OF PATIENTS
E NUMBER OF PATIENTS EXPIRED

NEWCOMB MEDICAL CENTER

66 S State St
Vineland, NJ 08360

Medicare Provider Number: 310087

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,507	13.7	11.7	3.0	19.7	17.3	3.6	23.8	21.6	3.8
CONDITIONS:										
Acute Myocardial Infarction	53	34.0	29.2	7.0	35.8	32.8	6.8	37.7	36.3	6.7
Congestive Heart Failure	103	20.4	17.0	6.7	31.1	26.1	7.5	38.8	33.4	8.1
Pneumonia/Influenza	48	20.8	18.8	*	31.3	25.0	*	33.3	30.0	*
Chronic Obstructive Pulmonary Disease	20	5.0	8.9	*	20.0	15.9	*	25.0	22.3	*
Transient Cerebral Ischemia	28	3.6	2.0	*	7.1	4.3	*	10.7	6.8	*
Stroke	74	29.7	22.6	8.4	37.8	29.8	8.8	40.5	34.4	7.5
Hip Fracture	40	12.5	8.5	*	15.0	15.1	*	22.5	19.4	*
Sepsis	44	31.8	33.5	*	50.0	41.6	*	56.8	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.4	*	4.0	6.0	*	12.0	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	12.5	4.0	*	18.8	8.0	*	18.8	11.2	*
Open Reduction of Hip Fracture	26	7.7	8.0	*	7.7	14.5	*	19.2	18.8	*
Prostatectomy	28	0.0	0.8	*	7.1	1.8	*	7.1	3.0	*
Cholecystectomy	26	3.8	4.0	*	7.7	6.2	*	7.7	7.6	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 235
Occupancy Rate 66
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 97
Percent of Physicians Board Certified Specialists 66
Medical Residents/Interns 0
Registered Nurses 139
Licensed Practical Nurses 84

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

NEWCOMB MEDICAL CENTER

Medicare Provider Number: 310087

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,482	12.0	11.4	0.9	17.9	17.1	1.3	23.3	21.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	67	26.9	29.6	5.8	35.8	33.2	5.9	43.3	36.9	7.1
Congestive Heart Failure	89	14.6	17.6	6.4	21.3	26.2	7.1	28.1	33.1	9.2
Pneumonia/Influenza	37	24.3	21.0	*	29.7	28.2	*	32.4	33.4	*
Chronic Obstructive Pulmonary Disease	9	11.1	12.8	*	11.1	21.1	*	11.1	27.2	*
Transient Cerebral Ischemia	48	0.0	2.5	*	0.0	5.5	*	8.3	8.8	*
Stroke	60	23.3	20.3	8.7	35.0	28.2	7.9	36.7	33.1	6.7
Hip Fracture	41	4.9	6.8	*	14.6	12.5	*	17.1	16.1	*
Sepsis	20	30.0	30.1	*	30.0	39.4	*	55.0	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	10.3	7.0	*	10.3	10.7	*	10.3	14.0	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	16	6.3	4.6	*	12.5	9.3	*	12.5	12.5	*
Open Reduction of Hip Fracture	29	3.4	6.0	*	13.8	11.3	*	17.2	14.8	*
Prostatectomy	20	0.0	1.1	*	0.0	2.5	*	5.0	4.1	*
Cholecystectomy	19	0.0	7.1	*	21.1	12.4	*	21.1	15.6	*
Hysterectomy	12	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,415	11.6	11.7	1.9	17.8	16.8	2.1	21.6	20.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	62	41.9	36.4	6.6	50.0	40.2	7.3	51.6	44.1	6.9
Congestive Heart Failure	74	10.8	17.4	8.2	20.3	26.1	10.2	25.7	33.1	10.0
Pneumonia/Influenza	37	24.3	21.7	*	29.7	28.6	*	37.8	34.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	10.8	*	8.3	17.8	*	8.3	23.6	*
Transient Cerebral Ischemia	38	5.3	2.6	*	5.3	6.0	*	5.3	9.5	*
Stroke	65	23.1	19.7	5.8	30.8	26.3	8.1	36.9	30.7	11.1
Hip Fracture	20	5.0	6.6	*	5.0	12.1	*	5.0	15.7	*
Sepsis	26	34.6	29.3	*	46.2	36.1	*	57.7	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	6.8	*	20.0	12.2	*	20.0	16.1	*
Carotid Endarterectomy	1	0.0	2.2	*	0.0	6.1	*	0.0	10.7	*
Hip Replacement/Reconstruction	10	0.0	3.6	*	0.0	6.2	*	0.0	8.1	*
Open Reduction of Hip Fracture	14	7.1	6.0	*	7.1	11.6	*	7.1	15.5	*
Prostatectomy	35	2.9	0.8	*	5.7	1.7	*	5.7	2.7	*
Cholecystectomy	29	0.0	3.1	*	3.4	4.8	*	6.9	6.2	*
Hysterectomy	4	0.0	1.2	*	0.0	2.5	*	25.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

99.1

Newcomb Medical Center

Joseph A. Ierardi
President and
Chief Executive Officer

65 South State Street
Vineland, New Jersey 08360
(609) 691-9000
FAX (609) 692-2308

CERTIFIED-RRR-P 781 581 700

January 15, 1991

Healthcare Financing Administration
Health Standards & Quality Bureaus
ATTENTION: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

REFERENCE: HCFA - 1989 Medicare Mortality Information

Dear Mrs. Kappert:

Thank you for the opportunity to respond to HCFA's selected 1989 Medicare mortality information about Newcomb Medical Center.

Since receiving the report, several people at Newcomb have had the opportunity to review this information. Any member of the public who requests a copy of our statistical information will be interested in our comments and the following findings from our review:

1. Concerning hospital characteristics, please note that Newcomb Medical Center has a cardiac intensive care unit. This was mentioned in our response to the 1988 mortality information.

2. Randomly selected admissions for analysis instead of the last admission prior to death lessens the likelihood that the cause of death is related to the principal diagnosis.

3. Death rates more than 30 days after admission, while clinically sensible, weakens the inference about the quality of the treatment intervention because of the probability of confounding factors that may have contributed to death. These may include not only chance accidents--which, after all, are low probability events—but intrinsic disease processes that may not have been evident at the time of the hospitalization or data not fully captured in the hospital records. A contributing factor that may not be evident are those patients who may not have had adequate access to primary, nursing home, or home health care following the discharge.

4. The statistical methodology used this year is very complicated and difficult to understand, which could lead to misinterpretation of the data.

January 15, 1991
RE: HCFA
Page Two:

Newcomb Medical Center appreciates HCFA's analysis of the information presented. The information is useful and is being used in concert with the hospital's ongoing quality assurance and review activities.

Again, thank you for the opportunity to present this response. If you or anyone receiving this material have additional questions, please do not hesitate to call me at (609) 691-9000, extension 6201.

Sincerely,

Joseph A. Ierardi
President and Chief Executive Officer

JAI/jok

NEWTON MEMORIAL HOSPITAL

175 High St
Newton, NJ 07860

Medicare Provider Number: 310028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,359	12.4	9.7	2.1	18.2	14.5	2.8	22.9	18.4	3.8
CONDITIONS:										
Acute Myocardial Infarction	46	34.8	31.5	*	41.3	35.2	*	43.5	38.7	*
Congestive Heart Failure	71	25.4	14.9	7.3	38.0	22.8	8.4	46.5	29.3	8.7
Pneumonia/Influenza	61	18.0	14.7	7.8	23.0	20.1	7.4	27.9	24.3	8.3
Chronic Obstructive Pulmonary Disease	17	11.8	7.6	*	11.8	14.6	*	23.5	21.1	*
Transient Cerebral Ischemia	31	0.0	1.6	*	3.2	3.5	*	3.2	5.7	*
Stroke	63	31.7	22.6	7.7	39.7	29.3	10.1	46.0	33.9	10.9
Hip Fracture	50	16.0	6.4	*	18.0	11.8	*	22.0	15.6	*
Sepsis	27	29.6	24.6	*	48.1	32.6	*	59.3	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.4	*	25.0	7.7	*	33.3	10.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	21.4	3.7	*	21.4	7.4	*	21.4	10.1	*
Open Reduction of Hip Fracture	28	10.7	6.8	*	14.3	12.9	*	21.4	17.0	*
Prostatectomy	33	0.0	1.1	*	9.1	2.8	*	9.1	4.9	*
Cholecystectomy	20	10.0	2.6	*	10.0	4.4	*	10.0	5.5	*
Hysterectomy	17	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	168
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	130
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	94
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

NEWTON MEMORIAL HOSPITAL

Medicare Provider Number: 310028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,383	10.7	9.5	0.9	16.1	14.4	1.2	19.9	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	29	41.4	30.8	*	44.8	34.9	*	44.8	38.7	*
Congestive Heart Failure	64	17.2	15.5	5.0	26.6	23.4	6.0	34.4	30.0	8.5
Pneumonia/Influenza	54	22.2	15.7	6.9	31.5	20.8	9.0	31.5	24.9	9.7
Chronic Obstructive Pulmonary Disease	16	18.8	8.2	*	37.5	14.7	*	43.8	19.9	*
Transient Cerebral Ischemia	34	2.9	1.9	*	2.9	4.3	*	5.9	6.8	*
Stroke	66	22.7	20.7	6.8	31.8	27.5	6.6	33.3	32.1	6.2
Hip Fracture	57	8.8	6.6	4.7	17.5	12.0	8.6	21.1	15.4	10.7
Sepsis	19	26.3	25.7	*	31.6	32.7	*	31.6	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.6	*	0.0	3.3	*	0.0	5.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	33	3.0	3.3	*	6.1	6.5	*	9.1	8.6	*
Open Reduction of Hip Fracture	31	9.7	6.5	*	22.6	12.2	*	25.8	16.0	*
Prostatectomy	42	0.0	1.1	*	2.4	2.6	*	4.8	4.3	*
Cholecystectomy	24	4.2	3.1	*	4.2	5.7	*	4.2	7.4	*
Hysterectomy	11	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,374	10.5	8.8	1.2	15.6	13.5	1.2	19.4	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	26.5	29.7	*	30.6	33.0	*	36.7	36.6	*
Congestive Heart Failure	66	25.8	15.4	7.6	36.4	23.6	9.7	43.9	30.5	10.1
Pneumonia/Influenza	44	11.4	17.0	*	22.7	23.2	*	25.0	27.9	*
Chronic Obstructive Pulmonary Disease	20	5.0	11.7	*	25.0	19.3	*	35.0	24.8	*
Transient Cerebral Ischemia	32	0.0	1.5	*	3.1	3.2	*	3.1	5.0	*
Stroke	60	23.3	20.5	6.2	30.0	27.4	6.9	35.0	32.0	6.9
Hip Fracture	51	9.8	6.9	6.3	19.6	12.6	7.4	23.5	16.6	6.9
Sepsis	14	7.1	22.2	*	21.4	29.4	*	21.4	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.9	*	0.0	4.3	*	33.3	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	3.1	*	9.5	5.9	*	14.3	8.0	*
Open Reduction of Hip Fracture	25	8.0	6.1	*	16.0	12.0	*	20.0	16.2	*
Prostatectomy	51	2.0	1.4	1.7	3.9	3.3	2.6	3.9	5.4	3.7
Cholecystectomy	27	0.0	4.1	*	7.4	7.3	*	11.1	9.2	*
Hysterectomy	22	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

101.1

Newton Memorial Hospital
175 High Street, Newton, New Jersey 07860 383-2121

January 15, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Mortality Response and Comments

Dear Mrs. Kappert:

Enclosed is our response to the HCFA Mortality Data which is to be included in the materials to be published.

Sincerely,

Dennis H. Collette
Executive Vice President/
Chief Operating Officer

DHC:kga
Enc.

Faxed 1/15/91: 301-966-6730

NEWTON MEMORIAL HOSPITAL
Newton, New Jersey

Newton Memorial Hospital has analyzed the HCFA 1989 mortality rates. We conclude that in relationship to the hospital's in-patient data, little variance could be ascertained between the observed statistics provided. All cases of mortality are reviewed as a part of the hospital's overall Quality Management Program for defined aspects of care, patterns, and trends for all providers of care in the facility, as well as sources of admission, i.e., nursing homes and management patterns such as "Do Not Resuscitate" patients. In all categories except Congestive Heart Failure, we fall within the 75th to 90th percent prediction interval--in Congestive Heart Failure we are in the 90th to 95th percent prediction interval.

Although in the category of Congestive Heart Failure we approach the second standard deviation at 180 days, it should be noted that New Jersey Hospital Association statistics indicate the area served by Newton Memorial Hospital has 1.83 times the state average in nursing home beds. Many of these nursing home patients are from outside our service area and without a personal attending physician. In addition, 40 percent of our in-house Congestive Heart Failure mortalities are 85 years of age or older.

The ongoing Quality Management review confirms the high level of quality provided at Newton Memorial Hospital based on our patient population. Data to be considered in developing the formula to aggregate similar facilities should include the patient's residence (i.e., NH), regardless of the source of admission (i.e., emergency room or private physician referral), as captured on the UB-82 billing forms. The formula currently used does not take into consideration the fact that Newton Memorial Hospital's service area has the above mentioned rate of 1.83 times the state average in NH beds.

Furthermore, the Hospital does not feel it appropriate to publish the procedure rates when such rates are already included under the "all causes" heading, and, thus, are misleading. In addition, when the numbers within each condition are small (i.e., less than 50 cases), these categories should be combined to adequately reflect the overall rate, as in the case of Acute Myocardial Infarctions at Newton Memorial Hospital where the predicted and observed rates represent a difference of only one case. In the future the actual number of cases, in addition to the percentages of predicted and observed, should be included to provide better clarity for the public.

In conclusion, the HCFA mortality statistics provide hospitals with a tool for evaluating individual mortality rates. However, in themselves they do not reflect the quality of care at an institutional level based on individual variances not taken into account by the methodology.

Alden B. Hall, M.D.
Vice President of Medical Affairs

kga

OUR LADY OF LOURDES MEDICAL CENTER

1600 Haddon Avenue
Camden, NJ 08103

Medicare Provider Number: 310029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,416	9.6	8.6	1.1	15.1	13.3	2.4	18.0	17.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	82	23.2	25.9	5.4	31.7	29.6	5.7	31.7	33.1	5.3
Congestive Heart Failure	131	11.5	14.5	3.3	16.0	22.6	4.4	22.1	29.3	4.9
Pneumonia/Influenza	62	19.4	15.7	9.1	29.0	21.4	11.2	33.9	25.9	11.2
Chronic Obstructive Pulmonary Disease	27	3.7	6.6	*	18.5	11.8	*	22.2	16.6	*
Transient Cerebral Ischemia	45	2.2	1.6	*	4.4	3.4	*	6.7	5.3	*
Stroke	83	21.7	21.5	4.8	30.1	28.2	5.4	36.1	32.6	6.8
Hip Fracture	42	11.9	6.8	*	16.7	12.6	*	19.0	16.7	*
Sepsis	20	45.0	22.7	*	55.0	33.4	*	55.0	40.7	*
PROCEDURES:										
Angioplasty	54	0.0	2.0	2.7	0.0	2.9	3.5	1.9	4.0	3.2
Coronary Artery Bypass Graft	185	8.1	5.9	2.5	10.3	8.9	2.5	10.3	10.9	2.5
Initial Pacemaker Insertion	21	0.0	3.2	*	4.8	5.9	*	4.8	8.4	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	12	0.0	4.3	*	8.3	8.1	*	8.3	10.8	*
Open Reduction of Hip Fracture	21	14.3	5.6	*	19.0	10.8	*	19.0	14.5	*
Prostatectomy	71	4.2	1.1	2.6	7.0	2.8	3.9	9.9	4.7	5.7
Cholecystectomy	39	0.0	2.8	*	5.1	5.0	*	5.1	6.7	*
Hysterectomy	13	0.0	0.7	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	366
Occupancy Rate	86
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	278
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	456
Licensed Practical Nurses	78

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

OUR LADY OF LOURDES MEDICAL CENTER

Medicare Provider Number: 310029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,373	9.6	7.8	1.0	14.3	12.1	1.0	17.5	15.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	67	35.8	25.5	7.4	37.3	28.3	7.4	38.8	31.4	6.9
Congestive Heart Failure	110	8.2	16.1	5.4	14.5	24.4	6.0	22.7	31.1	5.7
Pneumonia/Influenza	53	20.8	18.5	5.7	26.4	25.1	6.3	35.8	30.0	9.7
Chronic Obstructive Pulmonary Disease	27	11.1	8.4	*	18.5	14.9	*	18.5	20.4	*
Transient Cerebral Ischemia	39	2.6	1.6	*	7.7	3.4	*	7.7	5.2	*
Stroke	68	27.9	22.7	7.0	42.6	29.7	9.2	44.1	34.3	8.7
Hip Fracture	30	6.7	5.4	*	10.0	9.9	*	16.7	12.8	*
Sepsis	16	50.0	29.7	*	56.3	36.1	*	56.3	41.7	*
PROCEDURES:										
Angioplasty	50	4.0	2.8	*	6.0	3.9	*	6.0	5.0	*
Coronary Artery Bypass Graft	162	10.5	5.5	2.8	13.6	8.0	3.4	14.2	9.6	3.7
Initial Pacemaker Insertion	21	9.5	5.3	*	14.3	10.4	*	33.3	15.5	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	18	0.0	2.2	*	0.0	4.3	*	0.0	5.8	*
Open Reduction of Hip Fracture	11	0.0	5.1	*	9.1	9.5	*	9.1	12.5	*
Prostatectomy	71	0.0	1.0	1.6	1.4	2.5	2.1	1.4	4.4	3.4
Cholecystectomy	21	0.0	3.1	*	4.8	5.8	*	9.5	7.9	*
Hysterectomy	14	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,181	9.6	8.5	0.9	15.1	13.0	2.1	18.7	16.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	88	26.1	26.0	4.7	27.3	29.3	5.2	28.4	32.5	6.3
Congestive Heart Failure	94	21.3	16.3	6.0	29.8	24.2	6.9	33.0	30.8	5.2
Pneumonia/Influenza	49	16.3	19.0	*	24.5	25.5	*	26.5	30.4	*
Chronic Obstructive Pulmonary Disease	28	14.3	10.6	*	35.7	16.9	*	39.3	21.6	*
Transient Cerebral Ischemia	39	0.0	1.8	*	2.6	3.8	*	2.6	5.9	*
Stroke	87	20.7	21.6	5.9	34.5	29.0	6.6	42.5	33.5	8.8
Hip Fracture	43	2.3	6.0	*	7.0	11.0	*	11.6	14.4	*
Sepsis	18	22.2	24.5	*	27.8	33.7	*	33.3	40.1	*
PROCEDURES:										
Angioplasty	29	10.3	5.6	*	10.3	7.1	*	10.3	8.8	*
Coronary Artery Bypass Graft	122	7.4	5.7	2.6	9.0	8.2	2.6	9.0	9.7	2.9
Initial Pacemaker Insertion	20	5.0	3.1	*	10.0	6.0	*	15.0	8.7	*
Carotid Endarterectomy	11	0.0	1.8	*	0.0	3.4	*	9.1	4.8	*
Hip Replacement/Reconstruction	22	0.0	4.4	*	0.0	8.1	*	0.0	10.7	*
Open Reduction of Hip Fracture	21	0.0	5.5	*	9.5	10.4	*	14.3	13.9	*
Prostatectomy	47	4.3	1.7	*	10.6	4.1	*	17.0	6.7	*
Cholecystectomy	40	0.0	2.9	*	2.5	5.1	*	2.5	6.4	*
Hysterectomy	11	0.0	0.9	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Our Lady of Lourdes Medical Center
1600 Haddon Avenue • Camden, New Jersey 08103
(609) 757-3500

Southern New Jersey Cardiac Diagnostic and Surgical Center
Regional Dialysis and Transplantation Center
Regional Perinatal Center
Regional Rehabilitation Center

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Reference: Medicare Hospital Mortality Rates
Medicare Provider Number: 310029

Dear Mrs. Kappert:

We have carefully reviewed the HCFA Mortality Report and the accompanying information explaining the methodology that was applied by HCFA in deriving these results. We appreciate the efforts made by staff in their continuing attempt to refine this information in making it more meaningful for both the providers and the public. However, we feel there are still serious flaws in the methodology, as well as the new format which is truly misleading.

In regards to the methodology, we have concerns in two areas:

1) the failure to include RACE in the determination of predicted vs observed mortality rates; and

2) the failure to take into consideration locality in which death occurred.

It is well-documented that mortality-morbidity rates are significantly higher among blacks, other minorities and lower socio-economic groups. Secondly, the effect of crime rates and substance abuse in depressed cities clearly impact on survival.

Our Lady of Lourdes, which is in Camden, New Jersey, is in one of the most depressed cities in the country. Although it may not alter results at 30 days post-admission, it seems evident that the 90-day and 180-day post-admission predicted mortality rates should have been adjusted in socio-economic status, race, and community of the patient.

Of the 435 mortalities addressed in the HCFA Report, 226 (52%) cases died in the institution. The mean time to death beyond discharge among the remaining 209 cases (48%) was 63.5 days. We do not believe it is a fair comparison to compare predicted death rates in Camden County, New Jersey with that of Orange County, California.

For certain procedures, the average age is significantly higher than for other procedures. If life expectancy is lower and mortality rates are higher among lower socio-economic groups, then there seems to be differential biases on the predicted mortality rates. One cannot simply estimate that the predicted mortality rates should all be approximately X% higher or lower. It obviously depends on the age, the procedure, the race, as well as the community back into which the patient goes. Therefore, we feel HCFA has committed a serious error in not adjusting mortality rates for these factors.

Our second concern deals with the format HCFA is using. The presentation of data by using an observed mortality, predicted mortality, and a standard deviation, if offered to the public will create serious confusion. Very few will understand the meaning of a "standard deviation". Therefore, to the casual observer, there will be merely a comparison of an observed number against the predicted, in which case, if the former is larger, the immediate conclusion will be that the institution has an excessive mortality rate for a particular diagnostic group.

When we reviewed our data, there were several groups whose observed values were greater than the predicted value. However, when we carefully analyzed our data, we found that <u>in all cases</u>, our institutional mortality rates were well within the 95% confidence limits which means that there were no statistical significant differences from the predicted national averages.

Further, Our Lady of Lourdes had a lower mortality rate than predicted in 50% (9 of 18) of the categories at 30 days. This figure drops to 33% (6 of 18) at 90 days, and to 39% (7 of 18) at 180 days. In addition, for reasons discussed in the foregoing paragraphs, 48% of all deaths occurred in patients after discharge which we seriously question can be attributed to our institution as a provider.

We are enclosing attachments (Tables I and II) which present our data in the format which we feel provides a better representation of our institution's performance, and thereby far less misleading to the public.

OVERLOOK HOSPITAL

193 Morris Ave
Summit, NJ 07901

Medicare Provider Number: 310051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,674	8.1	9.6	0.5	13.2	14.8	0.8	16.9	18.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	131	23.7	26.6	4.7	28.2	29.9	4.8	30.5	33.3	5.4
Congestive Heart Failure	239	13.4	16.3	4.4	19.2	25.0	5.2	27.2	32.0	5.2
Pneumonia/Influenza	143	18.2	19.3	4.0	26.6	25.9	3.7	31.5	31.0	3.9
Chronic Obstructive Pulmonary Disease	38	13.2	10.7	*	18.4	17.1	*	26.3	22.6	*
Transient Cerebral Ischemia	67	0.0	1.9	2.1	0.0	4.2	3.7	1.5	6.6	4.2
Stroke	171	15.8	21.3	3.9	21.6	28.4	4.5	23.4	32.9	5.5
Hip Fracture	120	5.8	7.3	3.2	12.5	13.0	3.6	15.0	16.8	3.7
Sepsis	73	28.8	29.9	6.3	42.5	39.5	7.0	45.2	45.9	7.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	50	0.0	3.9	*	2.0	7.3	*	6.0	10.4	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	78	2.6	3.1	2.1	7.7	5.9	3.2	10.3	7.8	4.1
Open Reduction of Hip Fracture	76	5.3	6.8	3.1	10.5	12.7	4.5	11.8	16.8	6.6
Prostatectomy	278	1.1	1.2	0.7	3.2	2.7	1.7	3.2	4.5	2.3
Cholecystectomy	72	2.8	4.7	3.3	8.3	8.6	4.8	8.3	11.1	4.7
Hysterectomy	30	0.0	1.8	*	3.3	4.2	*	6.7	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	484
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	431
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	87
Registered Nurses	631
Licensed Practical Nurses	94

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

OVERLOOK HOSPITAL

Medicare Provider Number: 310051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,519	7.4	9.6	0.6	12.8	14.7	0.6	16.6	18.5	0.6
CONDITIONS:										
Acute Myocardial Infarction	154	27.3	28.2	3.8	34.4	32.0	4.2	35.7	35.8	3.9
Congestive Heart Failure	242	15.7	17.1	2.7	27.3	25.9	3.0	36.0	33.0	3.5
Pneumonia/Influenza	130	11.5	18.6	5.6	21.5	24.8	4.5	26.2	29.6	4.6
Chronic Obstructive Pulmonary Disease	44	9.1	10.7	*	11.4	18.1	*	18.2	24.2	*
Transient Cerebral Ischemia	58	1.7	2.0	2.1	5.2	4.3	3.9	5.2	6.7	4.0
Stroke	179	14.5	21.8	4.5	23.5	29.0	4.7	26.3	33.6	4.7
Hip Fracture	109	2.8	7.0	4.1	11.0	12.5	4.7	12.8	15.9	4.3
Sepsis	59	16.9	26.5	9.8	32.2	34.8	7.2	42.4	41.0	7.5
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	60	1.7	4.3	3.5	6.7	7.8	4.1	13.3	11.1	5.1
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	85	0.0	3.5	3.1	3.5	6.8	4.0	4.7	9.1	4.9
Open Reduction of Hip Fracture	63	3.2	6.1	4.2	11.1	11.4	5.5	11.1	14.8	5.5
Prostatectomy	260	1.2	1.0	0.6	1.9	2.4	1.1	3.1	3.9	1.8
Cholecystectomy	64	1.6	3.4	*	1.6	5.7	*	1.6	6.9	*
Hysterectomy	42	0.0	1.3	*	0.0	2.8	*	2.4	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,528	7.6	9.9	2.5	12.9	15.0	2.6	16.5	18.9	2.8
CONDITIONS:										
Acute Myocardial Infarction	175	22.9	26.8	3.9	25.7	30.3	4.1	26.3	33.7	4.8
Congestive Heart Failure	204	20.6	19.0	4.0	30.9	28.3	3.9	38.2	35.6	4.1
Pneumonia/Influenza	115	12.2	19.4	6.3	20.0	25.6	7.1	24.3	30.6	6.1
Chronic Obstructive Pulmonary Disease	55	5.5	10.0	6.8	12.7	17.0	7.1	21.8	22.4	6.0
Transient Cerebral Ischemia	78	0.0	2.0	2.6	1.3	4.3	3.8	5.1	6.7	3.2
Stroke	175	12.6	21.0	4.8	22.9	28.4	4.4	28.0	32.9	4.2
Hip Fracture	107	4.7	7.5	3.6	14.0	13.6	4.7	15.9	17.5	4.3
Sepsis	58	20.7	28.4	8.8	34.5	36.5	6.6	41.4	42.6	6.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	7.1	*	0.0	16.0	*	0.0	22.7	*
Initial Pacemaker Insertion	62	0.0	4.5	4.0	4.8	8.3	4.7	9.7	11.6	4.7
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	91	3.3	3.6	2.1	6.6	6.8	3.2	7.7	9.0	3.5
Open Reduction of Hip Fracture	47	2.1	6.4	*	12.8	12.1	*	14.9	15.9	*
Prostatectomy	237	0.4	0.9	0.7	1.3	2.1	1.1	2.5	3.5	1.7
Cholecystectomy	95	3.2	4.1	2.6	7.4	7.5	3.3	8.4	9.8	3.3
Hysterectomy	41	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PALISADES GENERAL HOSPITAL

7600 River Rd
North Bergen, NJ 07047

Medicare Provider Number: 310003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,511	10.1	10.1	2.1	16.3	15.0	3.1	20.4	18.9	3.0
CONDITIONS:										
Acute Myocardial Infarction	69	21.7	32.0	6.5	33.3	35.4	5.8	36.2	38.9	6.0
Congestive Heart Failure	119	16.0	15.4	3.4	25.2	24.2	4.4	36.1	31.3	7.2
Pneumonia/Influenza	67	14.9	16.6	5.0	22.4	22.5	5.4	28.4	27.1	6.2
Chronic Obstructive Pulmonary Disease	22	0.0	10.3	*	9.1	15.8	*	13.6	20.5	*
Transient Cerebral Ischemia	38	0.0	1.7	*	5.3	3.7	*	5.3	5.9	*
Stroke	74	18.9	19.3	4.6	29.7	26.3	6.1	35.1	30.6	7.1
Hip Fracture	44	4.5	7.3	*	6.8	12.6	*	11.4	16.0	*
Sepsis	13	23.1	20.6	*	23.1	27.9	*	30.8	33.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	5.2	*	15.4	9.1	*	15.4	12.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	8.7	6.0	*	8.7	9.3	*	8.7	11.8	*
Open Reduction of Hip Fracture	22	0.0	7.6	*	4.5	13.7	*	13.6	17.5	*
Prostatectomy	47	2.1	1.3	*	2.1	3.2	*	4.3	5.4	*
Cholecystectomy	16	0.0	1.6	*	0.0	2.9	*	6.3	3.8	*
Hysterectomy	9	0.0	1.3	*	0.0	2.7	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1987

Total Beds 202
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 110
Licensed Practical Nurses 47

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

PALISADES GENERAL HOSPITAL

Medicare Provider Number: 310003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,573	8.6	9.4	0.9	14.7	14.1	0.9	18.8	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	33.3	*	35.1	36.6	*	40.5	40.0	*
Congestive Heart Failure	115	14.8	14.9	3.3	23.5	22.6	4.4	33.0	29.0	5.8
Pneumonia/Influenza	47	14.9	18.8	*	23.4	25.0	*	25.5	29.8	*
Chronic Obstructive Pulmonary Disease	28	0.0	13.8	*	7.1	21.0	*	14.3	26.6	*
Transient Cerebral Ischemia	56	3.6	2.6	3.6	10.7	5.6	6.4	14.3	8.8	9.1
Stroke	70	10.0	19.8	8.5	18.6	26.5	9.2	21.4	31.0	9.7
Hip Fracture	30	0.0	8.3	*	20.0	14.4	*	23.3	18.0	*
Sepsis	13	46.2	24.8	*	53.8	31.0	*	61.5	36.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.3	*	12.5	8.5	*	12.5	12.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	6.0	*	7.7	10.9	*	7.7	13.9	*
Open Reduction of Hip Fracture	16	0.0	7.9	*	25.0	14.2	*	25.0	18.1	*
Prostatectomy	60	1.7	1.2	1.6	5.0	2.9	2.7	8.3	4.7	4.0
Cholecystectomy	31	3.2	5.6	*	19.4	10.4	*	22.6	14.0	*
Hysterectomy	8	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,501	10.5	8.9	2.5	15.3	13.5	2.5	18.9	17.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	47	38.3	26.6	*	42.6	29.9	*	42.6	33.2	*
Congestive Heart Failure	124	17.7	15.1	3.7	28.2	22.9	6.0	37.1	29.6	7.0
Pneumonia/Influenza	63	19.0	17.2	4.9	31.7	22.9	7.4	34.9	27.8	7.8
Chronic Obstructive Pulmonary Disease	37	2.7	12.8	*	5.4	20.8	*	8.1	26.8	*
Transient Cerebral Ischemia	61	3.3	2.1	2.1	3.3	4.4	2.9	3.3	7.0	4.9
Stroke	80	20.0	21.9	7.3	26.2	28.9	6.2	31.3	33.4	6.4
Hip Fracture	44	4.5	8.9	*	15.9	15.4	*	22.7	19.6	*
Sepsis	10	30.0	25.0	*	40.0	30.6	*	40.0	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	2.7	*	5.9	5.9	*	23.5	9.1	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	16	0.0	5.5	*	0.0	9.4	*	6.3	11.9	*
Open Reduction of Hip Fracture	28	7.1	8.6	*	21.4	16.0	*	28.6	20.7	*
Prostatectomy	52	5.8	1.6	3.9	7.7	3.9	4.5	9.6	6.4	5.8
Cholecystectomy	29	3.4	2.8	*	3.4	4.7	*	3.4	6.0	*
Hysterectomy	12	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PASCACK VALLEY HOSPITAL

Old Hook Road
Westwood, NJ 07675

Medicare Provider Number: 310037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,427	9.5	9.9	0.8	15.5	15.0	2.1	18.4	19.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	107	28.0	29.9	5.0	30.8	32.9	5.8	32.7	36.4	7.3
Congestive Heart Failure	143	18.2	15.1	6.3	27.3	23.5	5.7	31.5	30.6	4.2
Pneumonia/Influenza	86	17.4	17.1	4.1	20.9	23.5	5.2	24.4	28.3	5.8
Chronic Obstructive Pulmonary Disease	28	3.6	11.1	*	7.1	17.4	*	14.3	22.6	*
Transient Cerebral Ischemia	58	6.9	2.0	3.2	10.3	4.3	4.1	10.3	6.8	4.0
Stroke	110	19.1	22.8	5.5	27.3	29.6	7.9	30.0	34.4	6.6
Hip Fracture	40	2.5	6.2	*	22.5	11.6	*	25.0	15.3	*
Sepsis	37	37.8	30.2	*	56.8	39.3	*	56.8	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	4.1	*	14.3	8.1	*	14.3	11.7	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	28	0.0	3.0	*	14.3	6.2	*	14.3	8.7	*
Open Reduction of Hip Fracture	26	3.8	5.9	*	15.4	11.5	*	19.2	15.4	*
Prostatectomy	81	2.5	1.0	2.2	4.9	2.5	4.1	7.4	4.3	5.1
Cholecystectomy	36	2.8	2.7	*	2.8	4.8	*	5.6	6.1	*
Hysterectomy	13	7.7	1.3	*	15.4	2.9	*	15.4	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 291
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 242
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 0
Registered Nurses 243
Licensed Practical Nurses 16

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

PASCACK VALLEY HOSPITAL

Medicare Provider Number: 310037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,425	9.0	9.5	0.7	14.4	14.6	1.0	17.2	18.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	93	30.1	32.1	5.3	34.4	35.5	6.0	37.6	39.0	5.7
Congestive Heart Failure	130	12.3	15.9	3.6	19.2	24.2	4.8	24.6	31.0	5.1
Pneumonia/Influenza	92	16.3	14.6	4.0	22.8	19.9	4.4	28.3	24.3	5.5
Chronic Obstructive Pulmonary Disease	23	0.0	12.4	*	8.7	19.6	*	8.7	25.2	*
Transient Cerebral Ischemia	51	2.0	1.9	1.9	3.9	4.1	2.8	5.9	6.5	3.7
Stroke	119	17.6	23.9	6.8	26.1	30.7	6.0	30.3	35.4	5.9
Hip Fracture	66	6.1	6.5	3.1	13.6	11.7	5.1	18.2	15.0	6.6
Sepsis	23	8.7	29.3	*	13.0	37.4	*	21.7	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	4.4	*	10.0	8.3	*	10.0	11.9	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	37	5.4	4.8	*	8.1	8.4	*	8.1	10.9	*
Open Reduction of Hip Fracture	42	7.1	5.9	*	16.7	11.2	*	23.8	14.8	*
Prostatectomy	80	0.0	1.0	1.9	2.5	2.4	2.6	5.0	4.0	3.6
Cholecystectomy	47	6.4	4.4	*	6.4	7.8	*	8.5	10.1	*
Hysterectomy	13	0.0	2.0	*	15.4	4.5	*	15.4	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,324	9.7	9.6	1.3	14.8	14.5	1.6	18.2	18.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	89	32.6	31.1	5.4	39.3	34.8	6.5	40.4	38.5	6.2
Congestive Heart Failure	133	19.5	16.7	5.3	27.8	25.5	5.7	34.6	32.7	4.7
Pneumonia/Influenza	75	20.0	15.6	5.9	25.3	21.2	5.5	26.7	25.8	5.1
Chronic Obstructive Pulmonary Disease	44	4.5	12.8	*	15.9	20.8	*	15.9	26.7	*
Transient Cerebral Ischemia	73	2.7	2.1	1.9	6.8	4.6	3.3	6.8	7.4	3.1
Stroke	111	21.6	23.6	4.3	29.7	29.9	5.1	32.4	34.4	5.6
Hip Fracture	65	3.1	6.8	4.3	15.4	12.1	5.0	20.0	15.7	7.7
Sepsis	16	37.5	29.7	*	56.3	38.6	*	56.3	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	4.1	*	7.4	7.4	*	11.1	10.6	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	29	0.0	3.5	*	10.3	6.7	*	13.8	8.9	*
Open Reduction of Hip Fracture	39	2.6	6.3	*	10.3	11.7	*	15.4	15.2	*
Prostatectomy	58	1.7	1.0	2.4	10.3	2.3	3.4	13.8	3.9	4.7
Cholecystectomy	56	0.0	4.5	4.8	0.0	8.1	7.7	3.6	10.7	6.6
Hysterectomy	11	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

109.1

PASCACK VALLEY HOSPITAL

OLD HOOK ROAD, WESTWOOD, N.J. 07675 (201) 358-3000

WILLIAM J. WOODS
Chairman, Board of Directors

LOUIS R. YCRE, Jr.
President

January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-0-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for providing us the mortality information on Medicare beneficiaries treated at our Hospital (Pascack Valley Hospital, Westwood, New Jersey, Hospital Provider number 310037) in 1989. Review of the data reveals that the majority of our mortality rates at the 95% confidence level fell well within the upper and lower ranges. For those mortality rates exceeding the upper range, a clinical review of these cases identified these patients to be elderly, admitted with multiple illnesses, and most deaths occurring outside of the hospital (75% of total # of cases reviewed). As always, it is difficult to evaluate patient circumstances following hospital discharge.

Pascack Valley Hospital is committed to the provision of quality care to all our patients. To assure that our care meets the standards of quality, an ongoing, comprehensive Quality Assurance program exists which monitors and evaluates all activities within its facility. Activity such as mortality review is representative of but one of these efforts.

HCFA's mortality analysis fails to measure if poor quality of care was indicated nor if the process of care was poorly managed. Current presentation of mortality rates focuses less on the identification of "outliers", but still places an emphasis on identifying "bad providers".

HCFA death rates are not measures of quality of care and have not established relationship to quality. It must be emphasized that the data are not useful for consumer judgement, because they only show whether a hospital is different from average, not its quality of care. They should not be used as a basis for choosing where to receive medical treatment. Patients should speak with their physicians about choice of hospital.

Thank you for the opportunity to review and comment on this 1989 mortality information.

Very truly yours,

Louis R. Ycre, Jr.
President

LRY:pd

RAHWAY MEMORIAL HOSPITAL

865 Stone St
Rahway, NJ 07065

Medicare Provider Number: 310024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,375	11.7	10.0	2.6	17.7	14.8	4.1	21.5	18.5	4.3
CONDITIONS:										
Acute Myocardial Infarction	82	37.8	29.7	6.3	45.1	32.9	7.6	48.8	36.2	7.1
Congestive Heart Failure	147	18.4	14.4	5.8	28.6	22.5	6.5	35.4	29.2	6.9
Pneumonia/Influenza	74	24.3	15.7	7.4	33.8	21.1	8.0	39.2	25.5	8.3
Chronic Obstructive Pulmonary Disease	30	13.3	9.0	*	23.3	14.5	*	26.7	19.3	*
Transient Cerebral Ischemia	67	3.0	2.1	2.8	3.0	4.6	3.2	3.0	7.3	4.5
Stroke	123	15.4	18.3	5.2	22.8	24.5	7.6	26.0	28.6	5.6
Hip Fracture	62	8.1	7.2	3.5	16.1	12.7	5.2	19.4	16.3	7.6
Sepsis	32	25.0	27.7	*	37.5	34.1	*	40.6	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	5.1	4.7	*	12.8	8.7	*	20.5	12.4	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	31	0.0	5.0	*	3.2	9.4	*	9.7	12.4	*
Open Reduction of Hip Fracture	29	10.3	6.9	*	20.7	12.5	*	20.7	16.2	*
Prostatectomy	111	0.0	0.6	1.0	0.0	1.5	1.9	1.8	2.6	1.7
Cholecystectomy	55	3.6	2.5	2.6	5.5	3.8	3.0	5.5	4.7	3.1
Hysterectomy	22	0.0	1.2	*	0.0	2.6	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 268
Occupancy Rate 78
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 321
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns ..... (Not Available)
Registered Nurses ..... (Not Available)
Licensed Practical Nurses ..... (Not Available)

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

RAHWAY MEMORIAL HOSPITAL

Medicare Provider Number: 310024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,248	11.0	10.1	0.7	17.0	14.8	1.0	21.0	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	95	35.8	30.4	7.0	40.0	33.6	7.4	41.1	37.1	7.0
Congestive Heart Failure	130	23.1	16.3	4.1	34.6	24.3	5.6	39.2	31.0	5.1
Pneumonia/Influenza	86	16.3	17.9	5.2	24.4	23.9	5.7	31.4	28.7	6.9
Chronic Obstructive Pulmonary Disease	41	9.8	11.1	*	22.0	18.0	*	29.3	23.5	*
Transient Cerebral Ischemia	65	1.5	2.5	*	1.5	5.1	*	3.1	7.9	*
Stroke	103	25.2	23.3	5.9	35.9	30.1	7.7	37.9	34.8	7.0
Hip Fracture	43	11.6	6.6	*	18.6	11.6	*	23.3	14.8	*
Sepsis	22	50.0	34.9	*	63.6	43.2	*	68.2	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	8.3	9.1	*	13.9	13.9	*	13.9	17.8	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	21	4.8	4.6	*	14.3	8.3	*	14.3	10.7	*
Open Reduction of Hip Fracture	25	12.0	5.5	*	12.0	10.2	*	20.0	13.1	*
Prostatectomy	90	2.2	1.1	2.0	7.8	2.6	2.4	11.1	4.4	3.4
Cholecystectomy	52	1.9	2.7	2.4	3.8	4.7	3.4	5.8	6.1	3.9
Hysterectomy	19	0.0	0.8	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,118	10.2	10.2	1.5	16.1	15.0	2.9	19.5	18.7	3.0
CONDITIONS:										
Acute Myocardial Infarction	74	39.2	29.2	6.8	40.5	32.3	7.7	44.6	35.8	7.6
Congestive Heart Failure	124	24.2	17.2	4.4	36.3	26.0	6.3	41.9	33.2	5.7
Pneumonia/Influenza	65	15.4	15.6	4.5	20.0	20.7	5.2	23.1	25.2	6.0
Chronic Obstructive Pulmonary Disease	44	15.9	13.5	*	36.4	21.4	*	40.9	27.4	*
Transient Cerebral Ischemia	52	0.0	2.3	3.1	1.9	4.5	4.0	5.8	6.9	3.8
Stroke	121	16.5	23.2	5.6	19.8	30.3	6.6	27.3	34.9	6.2
Hip Fracture	46	6.5	7.8	*	15.2	13.5	*	15.2	17.1	*
Sepsis	20	45.0	28.3	*	45.0	35.4	*	50.0	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	0.0	2.6	*	0.0	5.3	*	0.0	7.9	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.7	*	0.0	5.4	*
Hip Replacement/Reconstruction	17	11.8	8.2	*	11.8	14.2	*	11.8	17.9	*
Open Reduction of Hip Fracture	29	3.4	6.1	*	17.2	11.4	*	17.2	14.9	*
Prostatectomy	98	1.0	0.9	1.4	4.1	2.3	2.6	6.1	3.8	4.3
Cholecystectomy	60	3.3	2.5	2.1	6.7	4.3	3.9	8.3	5.4	6.6
Hysterectomy	22	0.0	0.5	*	4.5	1.0	*	4.5	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RARITAN BAY MEDICAL CENTER

530 New Brunswick Ave
Perth Amboy, NJ 08861

Medicare Provider Number: 310039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,821	10.5	9.8	1.3	16.9	14.9	3.3	21.3	18.8	3.8
CONDITIONS:										
Acute Myocardial Infarction	94	28.7	25.8	8.2	34.0	29.9	8.7	38.3	33.8	8.8
Congestive Heart Failure	186	18.3	15.9	3.0	30.1	24.2	4.3	38.2	31.1	5.5
Pneumonia/Influenza	106	16.0	19.5	4.9	26.4	25.7	4.5	31.1	30.7	4.5
Chronic Obstructive Pulmonary Disease	33	12.1	9.6	*	18.2	15.4	*	27.3	20.6	*
Transient Cerebral Ischemia	62	1.6	2.1	1.9	6.5	4.5	3.2	8.1	7.1	3.8
Stroke	109	11.0	19.6	5.3	25.7	26.3	4.8	28.4	30.6	4.6
Hip Fracture	59	16.9	7.4	7.7	18.6	12.8	9.1	25.4	16.4	9.7
Sepsis	34	29.4	30.0	*	35.3	37.9	*	35.3	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	5.1	5.4	*	10.3	9.4	*	12.8	12.8	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.3	*	11.1	3.5	*
Hip Replacement/Reconstruction	26	11.5	3.7	*	11.5	6.7	*	11.5	8.8	*
Open Reduction of Hip Fracture	33	12.1	7.0	*	15.2	12.7	*	21.2	16.4	*
Prostatectomy	94	1.1	1.2	1.2	2.1	2.8	2.1	3.2	4.5	2.7
Cholecystectomy	60	5.0	3.4	2.6	11.7	6.3	4.6	13.3	8.2	5.4
Hysterectomy	17	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	461
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	396
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	27
Registered Nurses	295
Licensed Practical Nurses	105

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RARITAN BAY MEDICAL CENTER

Medicare Provider Number: 310039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,945	11.4	10.3	0.7	17.7	15.5	0.8	21.8	19.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	118	33.1	27.8	6.1	41.5	31.1	6.0	45.8	34.8	6.3
Congestive Heart Failure	183	16.9	16.2	2.9	27.9	24.4	4.0	34.4	31.3	4.3
Pneumonia/Influenza	113	23.9	20.6	7.1	31.9	26.8	9.0	37.2	31.7	10.2
Chronic Obstructive Pulmonary Disease	36	5.6	11.5	*	19.4	18.4	*	27.8	23.8	*
Transient Cerebral Ischemia	48	0.0	2.4	*	2.1	5.2	*	6.3	8.2	*
Stroke	116	21.6	19.9	5.3	31.0	26.9	7.9	33.6	31.5	6.8
Hip Fracture	54	7.4	8.7	4.2	25.9	15.6	8.2	27.8	19.9	6.8
Sepsis	32	43.8	32.2	*	50.0	42.6	*	59.4	49.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	12.5	9.3	*	18.8	13.1	*	18.8	16.7	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.0	*	9.1	4.5	*
Hip Replacement/Reconstruction	22	9.1	7.1	*	22.7	13.7	*	22.7	18.0	*
Open Reduction of Hip Fracture	34	8.8	7.3	*	29.4	13.6	*	32.4	17.7	*
Prostatectomy	97	3.1	1.1	1.9	4.1	2.6	2.5	5.2	4.2	2.7
Cholecystectomy	46	6.5	3.3	*	6.5	5.8	*	10.9	7.4	*
Hysterectomy	16	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,782	10.6	11.0	2.7	16.3	16.1	2.5	20.4	20.0	2.2
CONDITIONS:										
Acute Myocardial Infarction	107	35.5	32.2	7.7	39.3	35.5	7.2	42.1	39.0	7.1
Congestive Heart Failure	165	15.2	18.2	4.2	27.3	26.4	4.4	32.1	33.1	5.0
Pneumonia/Influenza	120	18.3	20.6	5.8	23.3	26.7	6.3	28.3	31.9	7.1
Chronic Obstructive Pulmonary Disease	41	14.6	12.4	*	22.0	18.9	*	26.8	23.8	*
Transient Cerebral Ischemia	54	1.9	2.6	2.3	3.7	5.6	4.0	9.3	8.7	4.2
Stroke	126	23.8	22.1	4.8	32.5	29.1	5.7	38.1	33.6	8.0
Hip Fracture	67	6.0	8.3	4.0	13.4	14.5	4.4	17.9	18.4	5.4
Sepsis	22	45.5	36.5	*	59.1	44.7	*	63.6	51.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	3.2	5.4	*	12.9	10.2	*	12.9	14.1	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	21	0.0	5.0	*	9.5	9.6	*	14.3	12.8	*
Open Reduction of Hip Fracture	41	7.3	7.6	*	14.6	14.0	*	22.0	18.0	*
Prostatectomy	113	2.7	1.1	1.7	2.7	2.5	1.7	5.3	4.1	2.3
Cholecystectomy	48	4.2	4.2	*	8.3	6.6	*	8.3	8.1	*
Hysterectomy	15	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RIVERVIEW HOSPITAL

35 Union St
Red Bank, NJ 07701

Medicare Provider Number: 310034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,249	8.8	9.0	1.3	13.9	14.0	1.8	18.2	17.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	93	16.1	28.3	7.6	19.4	31.3	7.4	23.7	34.5	6.9
Congestive Heart Failure	183	18.0	15.6	5.6	27.9	24.2	6.7	36.6	31.4	7.8
Pneumonia/Influenza	116	13.8	17.5	4.5	19.0	23.6	4.7	29.3	28.2	4.3
Chronic Obstructive Pulmonary Disease	29	24.1	10.3	*	34.5	18.1	*	37.9	24.7	*
Transient Cerebral Ischemia	93	1.1	1.9	2.2	5.4	4.1	3.2	10.8	6.5	4.4
Stroke	149	19.5	22.7	4.4	28.2	29.5	5.0	33.6	34.2	4.0
Hip Fracture	84	4.8	7.3	3.7	9.5	13.0	5.8	10.7	16.7	6.9
Sepsis	33	24.2	30.8	*	36.4	38.1	*	36.4	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	42	0.0	4.8	*	0.0	8.1	*	7.1	10.8	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	56	3.6	3.2	2.7	8.9	6.0	4.8	10.7	8.0	6.4
Open Reduction of Hip Fracture	33	0.0	7.6	*	0.0	13.9	*	0.0	17.9	*
Prostatectomy	95	0.0	0.9	1.2	1.1	2.1	1.7	3.2	3.5	1.9
Cholecystectomy	45	0.0	3.0	*	0.0	4.9	*	2.2	6.2	*
Hysterectomy	26	3.8	2.2	*	3.8	4.7	*	3.8	7.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	507
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	370
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	399
Licensed Practical Nurses	67

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RIVERVIEW HOSPITAL

Medicare Provider Number: 310034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,286	10.2	9.7	0.6	16.4	14.8	1.0	20.5	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	96	24.0	30.9	7.1	30.2	34.1	7.1	33.3	37.5	5.5
Congestive Heart Failure	176	20.5	17.3	4.0	29.5	26.2	4.3	36.9	33.4	4.8
Pneumonia/Influenza	132	19.7	18.2	3.6	26.5	24.0	4.5	29.5	28.6	4.0
Chronic Obstructive Pulmonary Disease	30	16.7	12.2	*	26.7	20.0	*	36.7	26.0	*
Transient Cerebral Ischemia	59	1.7	2.2	2.1	1.7	4.7	3.8	1.7	7.4	5.7
Stroke	159	20.8	22.6	5.4	27.7	29.0	4.8	29.6	33.7	6.6
Hip Fracture	73	5.5	7.6	4.0	15.1	13.4	5.8	21.9	16.9	7.7
Sepsis	26	42.3	30.7	*	57.7	37.0	*	57.7	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	20.1	*	0.0	42.0	*	0.0	56.1	*
Initial Pacemaker Insertion	35	8.6	8.7	*	14.3	12.4	*	20.0	15.9	*
Carotid Endarterectomy	16	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	46	6.5	4.3	*	10.9	8.0	*	15.2	10.4	*
Open Reduction of Hip Fracture	27	3.7	6.7	*	14.8	12.1	*	18.5	15.4	*
Prostatectomy	102	0.0	1.2	1.7	2.9	3.0	1.9	5.9	4.8	3.0
Cholecystectomy	57	5.3	2.8	3.5	8.8	4.9	5.2	10.5	6.3	5.6
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,248	9.7	9.7	0.7	15.5	14.8	0.8	19.5	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	101	30.7	34.0	5.8	38.6	37.1	5.5	39.6	40.6	5.5
Congestive Heart Failure	163	19.0	16.7	3.5	30.1	25.1	4.8	36.2	32.1	4.4
Pneumonia/Influenza	96	18.8	18.1	4.0	25.0	23.9	4.6	28.1	28.5	4.6
Chronic Obstructive Pulmonary Disease	44	15.9	9.4	*	18.2	15.8	*	25.0	20.8	*
Transient Cerebral Ischemia	92	2.2	2.5	2.2	4.3	5.6	2.8	8.7	8.8	3.0
Stroke	140	20.7	22.5	4.3	28.6	28.9	4.5	34.3	33.5	4.2
Hip Fracture	94	4.3	8.0	4.1	11.7	14.3	5.1	17.0	18.2	4.1
Sepsis	20	25.0	30.2	*	30.0	37.6	*	30.0	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	44	4.5	5.7	*	6.8	9.5	*	6.8	12.5	*
Carotid Endarterectomy	13	0.0	1.3	*	0.0	2.2	*	7.7	3.1	*
Hip Replacement/Reconstruction	49	0.0	4.9	*	4.1	9.1	*	10.2	11.9	*
Open Reduction of Hip Fracture	37	2.7	6.9	*	10.8	12.9	*	16.2	16.7	*
Prostatectomy	87	1.1	1.1	1.2	1.1	2.6	2.0	2.3	4.2	3.0
Cholecystectomy	56	1.8	3.7	4.7	10.7	6.8	5.5	12.5	8.9	6.5
Hysterectomy	16	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL

One Robert Wood Johnson Pl
New Brunswick, NJ 08901

Medicare Provider Number: 310038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,385	8.6	8.4	1.0	12.5	12.7	1.2	15.6	16.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	121	17.4	22.0	4.8	26.4	25.8	4.7	28.1	29.3	4.5
Congestive Heart Failure	86	18.6	16.6	4.4	29.1	25.6	5.7	37.2	32.7	6.5
Pneumonia/Influenza	66	24.2	19.2	8.4	30.3	25.9	7.0	31.8	31.0	5.8
Chronic Obstructive Pulmonary Disease	16	6.3	10.9	*	6.3	17.6	*	12.5	23.2	*
Transient Cerebral Ischemia	31	0.0	2.0	*	3.2	4.5	*	3.2	7.3	*
Stroke	87	21.8	21.0	5.0	27.6	27.3	4.8	28.7	31.5	5.5
Hip Fracture	35	2.9	6.3	*	8.6	11.2	*	11.4	14.4	*
Sepsis	44	20.5	25.4	*	20.5	34.1	*	25.0	40.3	*
PROCEDURES:										
Angioplasty	77	0.0	2.3	3.0	0.0	3.2	4.2	2.6	4.2	3.5
Coronary Artery Bypass Graft	92	6.5	5.6	2.6	9.8	8.2	3.5	9.8	9.8	3.1
Initial Pacemaker Insertion	15	13.3	8.0	*	20.0	14.1	*	20.0	18.0	*
Carotid Endarterectomy	11	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	79	0.0	1.7	*	1.3	3.2	*	1.3	4.5	*
Open Reduction of Hip Fracture	13	7.7	6.5	*	7.7	11.9	*	15.4	15.5	*
Prostatectomy	50	0.0	0.9	*	2.0	2.1	*	4.0	3.2	*
Cholecystectomy	19	0.0	3.9	*	5.3	6.8	*	10.5	8.8	*
Hysterectomy	35	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	364
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	727
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	369
Licensed Practical Nurses	73

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL

Medicare Provider Number: 310038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,299	8.9	8.2	0.6	14.0	12.6	0.9	17.6	16.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	92	27.2	25.3	4.7	34.8	28.8	6.2	38.0	32.3	6.7
Congestive Heart Failure	87	16.1	17.3	5.4	24.1	26.4	5.2	28.7	33.8	7.5
Pneumonia/Influenza	51	17.6	18.2	6.8	29.4	24.5	9.5	31.4	29.2	10.3
Chronic Obstructive Pulmonary Disease	26	11.5	10.8	*	15.4	17.3	*	30.8	22.4	*
Transient Cerebral Ischemia	33	0.0	1.7	*	0.0	3.4	*	6.1	5.3	*
Stroke	67	19.4	19.5	4.8	25.4	25.8	5.7	26.9	30.3	7.2
Hip Fracture	29	6.9	6.7	*	6.9	11.9	*	6.9	15.2	*
Sepsis	15	40.0	27.8	*	60.0	36.9	*	66.7	42.9	*
PROCEDURES:										
Angioplasty	59	5.1	3.5	2.6	6.8	4.4	3.7	8.5	5.4	3.9
Coronary Artery Bypass Graft	81	8.6	6.0	4.3	12.3	8.5	5.8	12.3	10.0	6.2
Initial Pacemaker Insertion	5	0.0	3.0	*	0.0	5.9	*	0.0	8.7	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	63	1.6	1.4	1.5	1.6	2.5	2.2	1.6	3.4	2.8
Open Reduction of Hip Fracture	14	0.0	5.9	*	0.0	10.7	*	0.0	13.7	*
Prostatectomy	43	0.0	1.2	*	4.7	2.5	*	7.0	3.9	*
Cholecystectomy	27	7.4	2.4	*	7.4	4.0	*	11.1	5.1	*
Hysterectomy	31	3.2	1.8	*	6.5	4.0	*	6.5	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,215	8.5	8.7	1.0	14.3	13.4	1.9	18.3	17.0	2.3
CONDITIONS:										
Acute Myocardial Infarction	93	21.5	26.1	6.8	29.0	29.7	7.7	30.1	33.3	6.4
Congestive Heart Failure	102	19.6	16.6	6.6	28.4	24.9	7.1	34.3	31.8	5.7
Pneumonia/Influenza	52	9.6	18.8	8.3	28.8	25.4	6.8	30.8	30.3	6.9
Chronic Obstructive Pulmonary Disease	26	7.7	15.0	*	19.2	24.2	*	34.6	30.8	*
Transient Cerebral Ischemia	30	3.3	2.2	*	6.7	4.6	*	13.3	7.2	*
Stroke	60	10.0	19.4	9.0	18.3	25.6	8.4	23.3	29.8	8.5
Hip Fracture	35	2.9	8.7	*	11.4	15.1	*	17.1	19.1	*
Sepsis	14	14.3	24.4	*	42.9	33.7	*	42.9	40.2	*
PROCEDURES:										
Angioplasty	20	5.0	4.3	*	10.0	5.6	*	10.0	7.0	*
Coronary Artery Bypass Graft	64	1.6	7.8	4.6	4.7	11.1	5.1	9.4	12.9	4.6
Initial Pacemaker Insertion	16	0.0	3.0	*	0.0	5.6	*	6.3	8.0	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	52	0.0	2.1	3.0	0.0	3.5	4.6	1.9	4.5	4.4
Open Reduction of Hip Fracture	24	4.2	7.8	*	16.7	14.2	*	20.8	18.2	*
Prostatectomy	45	2.2	1.6	*	6.7	3.7	*	8.9	5.9	*
Cholecystectomy	24	8.3	4.9	*	12.5	8.4	*	12.5	10.6	*
Hysterectomy	31	0.0	2.2	*	3.2	4.8	*	9.7	7.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

This page is intentionally blank.

ROBERT·WOOD·JOHNSON
UNIVERSITY HOSPITAL

One Robert Wood Johnson Place
New Brunswick, New Jersey 08901 / 201-828-3000

Office of the President

December 17, 1990

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

I am in receipt of the December 6, 1990 letter forwarded by Gail R. Wilensky, Ph.D., regarding the annual release of Medicare hospital mortality information (Medicare Provider Number 310038). Dr. Wilensky noted the importance of various hospital characteristics listed on the summary data sheets and my first statement refers to Enclosure C, Hospital Characteristics, Medical Residents/Interns. This category should reflect the fact that as the core teaching hospital for the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School, 147 Medical School residents utilize Robert Wood Johnson University Hospital as the primary clinical training site.

Two additional characteristics should be noted in the Specialty Services category of Enclosure C. Please include Central New Jersey's only Pediatric Intensive Care Unit as part of the Other Intensive Care Specialty Services. Also, for your information, the New Jersey Department of Health designated the Hospital a Level I Trauma Center in August, 1990 and this should be reflected in the Trauma Specialty Services for 1990.

Thank you for your attention. Should you have any questions or require additional information, please feel free to contact me or Judith E. Burgis, Senior Vice President for Corporate Services.

Sincerely,

Harvey A. Holzberg
President

HAH/kr

ROOSEVELT HOSPITAL

P O Box 151
Metuchen, NJ 08840

Medicare Provider Number: 310121

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	177	37.3	21.4	14.2	52.5	31.4	18.5	59.3	39.1	17.5
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	5.4	*	0.0	7.7	*	0.0	10.1	*
Congestive Heart Failure	10	10.0	14.7	*	40.0	23.5	*	40.0	31.4	*
Pneumonia/Influenza	34	50.0	25.8	*	64.7	34.3	*	73.5	40.4	*
Chronic Obstructive Pulmonary Disease	4	100.0	19.3	*	100.0	32.3	*	100.0	41.4	*
Transient Cerebral Ischemia	1	0.0	2.9	*	0.0	7.0	*	100.0	11.3	*
Stroke	1	100.0	61.6	*	100.0	73.5	*	100.0	78.5	*
Hip Fracture	0									
Sepsis	18	44.4	36.1	*	72.2	44.3	*	77.8	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 558
Occupancy Rate 86
Ownership/Control ..... Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians 26
Percent of Physicians Board Certified Specialists 85
Medical Residents/Interns 0
Registered Nurses 64
Licensed Practical Nurses 48

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... No
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ROOSEVELT HOSPITAL

Medicare Provider Number: 310121

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	164	39.0	19.5	3.5	51.8	29.0	4.6	61.0	36.1	4.9
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	28.8	*	100.0	34.0	*	100.0	39.4	*
Congestive Heart Failure	10	40.0	19.6	*	40.0	28.6	*	50.0	35.6	*
Pneumonia/Influenza	42	40.5	26.1	*	54.8	34.7	*	61.9	40.5	*
Chronic Obstructive Pulmonary Disease	3	33.3	7.7	*	66.7	13.9	*	66.7	19.6	*
Transient Cerebral Ischemia	1	0.0	2.0	*	0.0	3.8	*	0.0	5.8	*
Stroke	5	40.0	31.0	*	40.0	38.9	*	40.0	44.6	*
Hip Fracture	0									
Sepsis	6	100.0	41.2	*	100.0	50.4	*	100.0	59.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	158	36.1	19.0	28.7	50.6	27.5	38.2	62.0	33.9	43.1
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	20.7	*	0.0	24.2	*	50.0	27.6	*
Congestive Heart Failure	4	50.0	12.1	*	50.0	17.5	*	100.0	22.9	*
Pneumonia/Influenza	54	38.9	24.0	8.0	53.7	31.4	8.6	64.8	36.8	10.0
Chronic Obstructive Pulmonary Disease	1	0.0	3.7	*	0.0	7.7	*	0.0	11.6	*
Transient Cerebral Ischemia	2	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Stroke	6	66.7	23.6	*	83.3	29.9	*	100.0	34.9	*
Hip Fracture	0									
Sepsis	5	100.0	28.5	*	100.0	35.3	*	100.0	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SALEM COUNTY MEMORIAL HOSPITAL

Woodstown Rd
Salem, NJ 08079

Medicare Provider Number: 310091

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,408	9.8	8.9	1.4	14.8	13.7	1.3	18.1	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	49	30.6	28.2	*	34.7	32.1	*	42.9	35.8	*
Congestive Heart Failure	102	14.7	16.5	5.2	25.5	25.7	4.5	32.4	32.8	4.8
Pneumonia/Influenza	61	26.2	16.9	9.6	32.8	23.2	10.8	36.1	27.9	10.3
Chronic Obstructive Pulmonary Disease	18	22.2	7.3	*	27.8	13.1	*	38.9	18.2	*
Transient Cerebral Ischemia	37	5.4	2.0	*	5.4	4.5	*	8.1	7.2	*
Stroke	45	22.2	18.2	*	28.9	24.8	*	31.1	29.2	*
Hip Fracture	34	8.8	5.9	*	8.8	10.9	*	14.7	14.4	*
Sepsis	17	29.4	28.7	*	41.2	36.5	*	41.2	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.9	*	13.3	5.8	*	13.3	8.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	2.7	*	0.0	5.3	*	0.0	7.2	*
Open Reduction of Hip Fracture	20	10.0	5.4	*	10.0	10.3	*	15.0	13.7	*
Prostatectomy	54	3.7	1.3	2.4	7.4	3.2	4.3	7.4	5.4	6.8
Cholecystectomy	25	4.0	2.6	*	4.0	5.0	*	8.0	6.6	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	152
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	82
Percent of Physicians Board Certified Specialists	62
Medical Residents/Interns	0
Registered Nurses	141
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SALEM COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 310091

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,424	9.3	9.2	1.1	15.7	13.8	1.5	19.1	17.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	57	29.8	27.8	7.8	35.1	31.1	7.7	36.8	34.7	8.2
Congestive Heart Failure	99	15.2	17.6	4.5	27.3	26.6	5.3	37.4	33.7	5.7
Pneumonia/Influenza	44	15.9	18.8	*	25.0	25.4	*	29.5	30.4	*
Chronic Obstructive Pulmonary Disease	20	15.0	9.1	*	30.0	14.7	*	30.0	19.4	*
Transient Cerebral Ischemia	39	5.1	2.4	*	7.7	5.4	*	12.8	8.8	*
Stroke	59	20.3	18.5	5.7	27.1	25.2	5.9	30.5	29.7	6.1
Hip Fracture	36	2.8	8.4	*	13.9	14.9	*	16.7	18.6	*
Sepsis	18	16.7	32.4	*	22.2	40.7	*	33.3	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	7.6	*	10.0	12.0	*	10.0	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	4.8	*	0.0	9.0	*	0.0	12.1	*
Open Reduction of Hip Fracture	24	4.2	8.1	*	20.8	14.9	*	25.0	19.1	*
Prostatectomy	56	3.6	1.1	2.5	5.4	2.6	3.6	7.1	4.4	5.5
Cholecystectomy	38	5.3	3.2	*	7.9	5.3	*	7.9	6.5	*
Hysterectomy	15	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,308	11.1	9.6	3.0	16.4	14.4	2.9	19.0	18.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	51	31.4	28.5	8.5	39.2	33.5	7.9	39.2	37.6	7.0
Congestive Heart Failure	85	24.7	17.2	7.8	32.9	25.7	7.2	36.5	32.4	5.9
Pneumonia/Influenza	44	18.2	14.6	*	20.5	19.7	*	25.0	24.1	*
Chronic Obstructive Pulmonary Disease	25	0.0	6.5	*	4.0	11.6	*	4.0	15.8	*
Transient Cerebral Ischemia	48	0.0	2.3	*	12.5	5.1	*	16.7	8.1	*
Stroke	67	23.9	22.7	8.0	34.3	29.5	7.3	35.8	34.0	6.0
Hip Fracture	26	7.7	7.1	*	23.1	12.6	*	34.6	16.2	*
Sepsis	19	15.8	26.4	*	21.1	34.8	*	26.3	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	10.1	*	9.1	15.6	*	9.1	19.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.0	*	30.0	6.2	*	30.0	8.7	*
Open Reduction of Hip Fracture	16	6.3	6.3	*	12.5	11.3	*	25.0	14.4	*
Prostatectomy	37	0.0	2.0	*	2.7	5.2	*	2.7	8.5	*
Cholecystectomy	28	0.0	2.7	*	3.6	4.7	*	3.6	6.0	*
Hysterectomy	4	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SHORE MEMORIAL HOSPITAL

New York & Sunny Aves
Somers Point, NJ 08244

Medicare Provider Number: 310047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,861	8.8	8.9	0.7	14.0	13.8	1.1	16.6	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	91	27.5	28.6	5.1	30.8	31.7	5.0	30.8	34.9	5.6
Congestive Heart Failure	158	15.8	14.8	3.8	27.2	22.9	7.1	31.6	29.6	5.7
Pneumonia/Influenza	106	16.0	14.7	3.6	21.7	20.0	4.1	23.6	24.2	5.0
Chronic Obstructive Pulmonary Disease	39	2.6	8.3	*	7.7	14.5	*	12.8	19.9	*
Transient Cerebral Ischemia	69	2.9	1.9	2.6	4.3	4.4	3.3	8.7	6.9	4.0
Stroke	113	16.8	19.8	5.5	23.0	27.0	4.9	25.7	31.5	5.8
Hip Fracture	82	7.3	6.5	4.5	14.6	11.7	5.4	17.1	15.0	4.7
Sepsis	23	30.4	29.4	*	43.5	37.7	*	47.8	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	0.0	3.7	*	0.0	6.8	*	2.7	9.6	*
Carotid Endarterectomy	38	0.0	1.3	*	2.6	2.4	*	5.3	3.5	*
Hip Replacement/Reconstruction	34	2.9	3.3	*	5.9	6.1	*	5.9	8.3	*
Open Reduction of Hip Fracture	59	8.5	6.1	4.4	16.9	11.3	7.2	20.3	14.8	8.4
Prostatectomy	94	1.1	0.9	1.1	1.1	2.3	1.9	2.1	3.9	2.6
Cholecystectomy	47	2.1	3.2	*	4.3	6.1	*	8.5	8.3	*
Hysterectomy	13	0.0	3.5	*	0.0	6.4	*	0.0	8.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	286
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	169
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	232
Licensed Practical Nurses	98

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SHORE MEMORIAL HOSPITAL

Medicare Provider Number: 310047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,891	9.3	9.0	0.6	14.5	13.9	0.8	18.3	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	88	33.0	31.8	5.2	38.6	35.1	6.3	42.0	38.7	6.5
Congestive Heart Failure	161	17.4	16.5	3.0	26.7	25.1	4.6	32.9	32.0	3.8
Pneumonia/Influenza	111	13.5	17.3	4.6	23.4	23.1	4.0	29.7	27.7	4.5
Chronic Obstructive Pulmonary Disease	27	0.0	8.0	*	14.8	13.3	*	14.8	17.7	*
Transient Cerebral Ischemia	68	2.9	2.0	1.9	5.9	4.4	2.8	8.8	6.9	4.4
Stroke	110	25.5	19.9	6.8	32.7	26.7	8.5	37.3	31.1	9.5
Hip Fracture	88	5.7	7.1	3.1	13.6	13.0	3.9	18.2	16.7	4.9
Sepsis	23	43.5	34.5	*	47.8	43.1	*	65.2	49.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	7.7	*	5.9	11.8	*	17.6	15.7	*
Carotid Endarterectomy	34	2.9	1.5	*	2.9	2.8	*	5.9	4.1	*
Hip Replacement/Reconstruction	47	6.4	4.4	*	17.0	8.8	*	19.1	11.8	*
Open Reduction of Hip Fracture	42	0.0	7.4	*	4.8	13.9	*	11.9	18.1	*
Prostatectomy	98	0.0	1.2	1.5	2.0	3.0	1.9	5.1	5.0	2.5
Cholecystectomy	37	0.0	3.4	*	2.7	5.7	*	8.1	7.3	*
Hysterectomy	14	0.0	1.5	*	0.0	3.5	*	7.1	5.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,825	9.2	9.5	1.6	14.9	14.5	2.9	18.8	18.3	3.1
CONDITIONS:										
Acute Myocardial Infarction	123	19.5	30.2	6.1	23.6	33.3	5.9	26.8	36.5	5.8
Congestive Heart Failure	156	15.4	16.6	3.1	30.1	25.0	4.3	34.6	31.9	4.6
Pneumonia/Influenza	74	17.6	18.4	5.2	27.0	24.6	5.5	35.1	29.3	8.1
Chronic Obstructive Pulmonary Disease	52	13.5	12.0	4.8	25.0	18.8	6.2	36.5	23.9	9.2
Transient Cerebral Ischemia	62	1.6	2.2	2.0	3.2	4.7	3.0	8.1	7.3	3.5
Stroke	126	17.5	20.8	5.1	26.2	28.1	4.6	28.6	32.5	6.1
Hip Fracture	95	9.5	7.5	3.7	13.7	13.4	3.5	17.9	17.1	3.9
Sepsis	30	40.0	29.3	*	46.7	38.4	*	50.0	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	3.2	*	14.3	6.6	*	14.3	9.9	*
Carotid Endarterectomy	52	1.9	1.4	2.1	5.8	2.5	3.7	9.6	3.6	4.9
Hip Replacement/Reconstruction	37	8.1	4.6	*	13.5	9.1	*	13.5	12.3	*
Open Reduction of Hip Fracture	59	6.8	6.7	3.3	10.2	12.6	4.7	16.9	16.3	4.8
Prostatectomy	99	2.0	1.3	1.9	4.0	3.2	2.3	6.1	5.2	2.4
Cholecystectomy	39	0.0	3.6	*	5.1	6.6	*	7.7	8.7	*
Hysterectomy	12	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

SOMERSET MEDICAL CENTER

110 Rehill Ave
Somerville, NJ 08876

Medicare Provider Number: 310048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,734	9.5	8.8	1.5	14.1	13.7	1.5	18.0	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	87	24.1	23.2	4.6	31.0	26.4	5.4	33.3	29.6	5.6
Congestive Heart Failure	155	15.5	15.4	3.1	19.4	23.9	4.4	27.7	30.9	4.9
Pneumonia/Influenza	85	21.2	16.7	6.8	25.9	22.4	7.9	34.1	27.0	9.5
Chronic Obstructive Pulmonary Disease	42	7.1	8.0	*	14.3	14.6	*	21.4	20.5	*
Transient Cerebral Ischemia	84	1.2	1.8	1.6	6.0	4.1	2.9	7.1	6.5	2.8
Stroke	113	28.3	22.4	6.7	34.5	29.4	9.8	38.1	34.0	8.8
Hip Fracture	64	6.3	8.1	4.7	10.9	14.5	7.5	14.1	18.7	8.7
Sepsis	25	44.0	32.5	*	64.0	40.4	*	68.0	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	3.1	*	4.5	5.8	*	4.5	8.3	*
Carotid Endarterectomy	26	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	46	4.3	5.1	*	6.5	9.5	*	10.9	12.6	*
Open Reduction of Hip Fracture	32	3.1	6.9	*	9.4	12.9	*	12.5	16.7	*
Prostatectomy	95	0.0	1.2	*	0.0	2.7	*	1.1	4.3	*
Cholecystectomy	56	0.0	2.2	*	0.0	3.9	*	0.0	5.1	*
Hysterectomy	16	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 377
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 266
Percent of Physicians Board Certified Specialists 80
Medical Residents/Interns 21
Registered Nurses 303
Licensed Practical Nurses 61

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... Yes
Trauma Center ..... Yes

**** Not used in calculating hospital mortality rates.**

SOMERSET MEDICAL CENTER

Medicare Provider Number: 310048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,738	9.5	8.9	0.7	13.9	13.8	1.2	18.3	17.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	94	24.5	27.8	4.8	27.7	30.9	5.3	28.7	34.4	6.9
Congestive Heart Failure	141	18.4	17.5	3.4	27.7	26.1	4.8	35.5	33.0	5.1
Pneumonia/Influenza	70	18.6	17.3	5.2	21.4	23.0	5.1	22.9	27.6	6.2
Chronic Obstructive Pulmonary Disease	39	15.4	10.2	*	25.6	17.5	*	30.8	23.3	*
Transient Cerebral Ischemia	68	4.4	2.1	3.1	8.8	4.5	4.2	13.2	7.0	5.8
Stroke	94	20.2	21.4	4.7	28.7	28.0	4.9	33.0	32.6	5.5
Hip Fracture	73	6.8	7.2	3.1	12.3	13.0	4.6	15.1	16.7	6.1
Sepsis	23	26.1	27.7	*	47.8	38.0	*	47.8	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.4	*	6.3	8.5	*	6.3	12.2	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	49	4.1	3.5	*	6.1	6.5	*	6.1	8.6	*
Open Reduction of Hip Fracture	35	5.7	7.1	*	17.1	13.1	*	22.9	17.1	*
Prostatectomy	76	5.3	1.2	2.5	6.6	2.9	2.6	6.6	4.6	2.7
Cholecystectomy	68	2.9	2.7	2.0	2.9	4.7	3.4	5.9	6.0	4.0
Hysterectomy	13	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,570	9.9	9.7	1.4	15.3	14.8	2.3	19.5	18.8	2.8
CONDITIONS:										
Acute Myocardial Infarction	106	27.4	30.6	5.9	32.1	34.0	6.4	34.0	37.6	6.7
Congestive Heart Failure	149	16.8	18.1	3.5	28.9	26.9	4.1	35.6	34.1	4.1
Pneumonia/Influenza	90	21.1	19.4	4.4	28.9	25.9	5.5	31.1	31.2	4.9
Chronic Obstructive Pulmonary Disease	36	8.3	12.3	*	16.7	20.2	*	22.2	26.4	*
Transient Cerebral Ischemia	61	1.6	2.0	2.2	3.3	4.1	3.2	6.6	6.5	3.2
Stroke	103	28.2	21.7	6.7	35.9	29.0	7.6	39.8	33.8	9.2
Hip Fracture	49	2.0	6.6	*	6.1	12.0	*	12.2	15.7	*
Sepsis	22	40.9	26.4	*	45.5	33.3	*	45.5	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	4.1	*	13.0	7.3	*	21.7	10.1	*
Carotid Endarterectomy	13	0.0	1.7	*	7.7	3.2	*	7.7	4.5	*
Hip Replacement/Reconstruction	34	2.9	4.2	*	2.9	7.7	*	5.9	10.1	*
Open Reduction of Hip Fracture	21	0.0	5.4	*	9.5	10.4	*	14.3	13.9	*
Prostatectomy	72	0.0	1.3	1.7	2.8	3.1	2.1	4.2	5.0	2.8
Cholecystectomy	45	6.7	3.4	*	6.7	6.8	*	6.7	9.3	*
Hysterectomy	18	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH AMBOY MEMORIAL HOSPITAL

540 Bordentown Ave
South Amboy, NJ 08879

Medicare Provider Number: 310036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,066	9.9	8.5	2.1	15.2	13.2	3.7	18.0	17.0	4.1
CONDITIONS:										
Acute Myocardial Infarction	33	45.5	30.2	*	54.5	33.8	*	60.6	37.7	*
Congestive Heart Failure	49	18.4	13.7	*	22.4	21.5	*	24.5	27.9	*
Pneumonia/Influenza	34	20.6	16.9	*	26.5	22.9	*	26.5	27.7	*
Chronic Obstructive Pulmonary Disease	15	20.0	9.9	*	20.0	18.2	*	20.0	25.0	*
Transient Cerebral Ischemia	33	0.0	1.9	*	3.0	4.2	*	3.0	6.7	*
Stroke	36	19.4	18.3	*	22.2	24.2	*	22.2	28.4	*
Hip Fracture	9	11.1	8.4	*	22.2	15.8	*	44.4	21.1	*
Sepsis	7	0.0	19.3	*	14.3	25.7	*	28.6	30.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.9	*	12.5	8.0	*	18.8	12.0	*
Carotid Endarterectomy	3	0.0	2.8	*	0.0	5.8	*	0.0	8.0	*
Hip Replacement/Reconstruction	1	0.0	8.8	*	0.0	17.9	*	0.0	24.1	*
Open Reduction of Hip Fracture	8	12.5	6.7	*	25.0	13.1	*	50.0	17.7	*
Prostatectomy	34	0.0	1.4	*	0.0	3.4	*	5.9	6.0	*
Cholecystectomy	29	3.4	3.0	*	6.9	5.5	*	10.3	7.1	*
Hysterectomy	7	0.0	1.2	*	0.0	1.8	*	14.3	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	161
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	102
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	131
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTH AMBOY MEMORIAL HOSPITAL

Medicare Provider Number: 310036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,011	11.2	9.2	1.4	16.7	13.9	1.7	20.8	17.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	32	34.4	27.2	*	40.6	30.5	*	43.8	34.1	*
Congestive Heart Failure	64	17.2	13.6	6.0	26.6	21.0	9.2	32.8	27.4	9.5
Pneumonia/Influenza	45	22.2	16.4	*	31.1	22.1	*	37.8	26.6	*
Chronic Obstructive Pulmonary Disease	10	20.0	13.3	*	20.0	20.5	*	40.0	25.9	*
Transient Cerebral Ischemia	35	5.7	2.0	*	8.6	4.2	*	8.6	6.4	*
Stroke	31	32.3	18.7	*	38.7	25.1	*	41.9	29.5	*
Hip Fracture	17	0.0	6.2	*	11.8	11.5	*	17.6	15.3	*
Sepsis	17	23.5	23.0	*	29.4	29.0	*	41.2	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.5	*	16.7	5.6	*	33.3	8.5	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	3	0.0	5.7	*	0.0	10.9	*	0.0	14.6	*
Open Reduction of Hip Fracture	14	0.0	5.4	*	14.3	10.8	*	21.4	14.7	*
Prostatectomy	24	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	16	0.0	2.5	*	6.3	4.5	*	6.3	5.9	*
Hysterectomy	6	16.7	1.1	*	16.7	1.6	*	16.7	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	967	8.3	8.6	1.0	14.3	13.0	1.8	18.3	16.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	43	23.3	25.4	*	25.6	28.0	*	25.6	31.0	*
Congestive Heart Failure	53	11.3	14.0	7.7	20.8	21.6	6.8	26.4	28.3	6.4
Pneumonia/Influenza	31	3.2	15.3	*	19.4	21.0	*	25.8	25.9	*
Chronic Obstructive Pulmonary Disease	20	10.0	10.1	*	20.0	15.9	*	25.0	20.5	*
Transient Cerebral Ischemia	25	8.0	2.3	*	12.0	4.7	*	12.0	7.3	*
Stroke	36	16.7	14.4	*	27.8	20.3	*	33.3	24.4	*
Hip Fracture	16	6.3	6.2	*	6.3	10.9	*	6.3	13.8	*
Sepsis	13	7.7	23.8	*	30.8	29.7	*	38.5	35.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	3.2	*	14.3	7.4	*	14.3	11.7	*
Carotid Endarterectomy	2	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	5	0.0	6.5	*	0.0	12.6	*	20.0	16.6	*
Open Reduction of Hip Fracture	10	10.0	5.6	*	10.0	10.3	*	10.0	13.4	*
Prostatectomy	18	0.0	1.2	*	5.6	3.0	*	11.1	5.3	*
Cholecystectomy	14	7.1	2.8	*	7.1	4.9	*	7.1	6.4	*
Hysterectomy	3	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH JERSEY HOSPITAL SYSTEM

Irving & Magnolia Aves
Bridgeton, NJ 08302

Medicare Provider Number: 310032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	965	10.2	9.1	1.3	16.3	14.5	2.0	20.5	18.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	21	61.9	24.0	*	61.9	26.8	*	61.9	29.9	*
Congestive Heart Failure	82	17.1	14.1	4.4	28.0	22.2	8.1	34.1	28.9	8.2
Pneumonia/Influenza	22	22.7	18.2	*	27.3	25.2	*	31.8	30.3	*
Chronic Obstructive Pulmonary Disease	13	0.0	8.2	*	23.1	13.3	*	23.1	18.0	*
Transient Cerebral Ischemia	21	9.5	1.8	*	9.5	4.0	*	9.5	6.4	*
Stroke	44	18.2	19.6	*	22.7	25.5	*	27.3	29.7	*
Hip Fracture	16	0.0	6.2	*	0.0	11.0	*	0.0	14.5	*
Sepsis	10	20.0	26.3	*	30.0	34.7	*	40.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.8	*	0.0	5.9	*	25.0	9.1	*
Carotid Endarterectomy	6	0.0	1.1	*	16.7	2.1	*	16.7	3.0	*
Hip Replacement/Reconstruction	9	0.0	4.3	*	0.0	9.5	*	0.0	14.4	*
Open Reduction of Hip Fracture	9	0.0	6.1	*	0.0	10.7	*	0.0	13.6	*
Prostatectomy	22	0.0	2.5	*	4.5	5.1	*	13.6	8.0	*
Cholecystectomy	18	0.0	2.8	*	0.0	5.0	*	5.6	6.5	*
Hysterectomy	4	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	310
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	106
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	242
Licensed Practical Nurses	136

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTH JERSEY HOSPITAL SYSTEM

Medicare Provider Number: 310032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	931	11.7	9.1	1.3	18.0	14.3	1.8	22.0	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	26	42.3	28.8	*	42.3	31.8	*	46.2	35.3	*
Congestive Heart Failure	74	18.9	12.8	7.1	27.0	19.9	8.0	31.1	26.0	7.2
Pneumonia/Influenza	30	16.7	18.3	*	26.7	24.6	*	40.0	29.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.7	*	0.0	8.1	*	11.1	11.1	*
Transient Cerebral Ischemia	24	0.0	2.1	*	4.2	4.7	*	4.2	7.5	*
Stroke	24	33.3	23.3	*	41.7	28.9	*	45.8	32.9	*
Hip Fracture	20	5.0	4.9	*	10.0	9.0	*	15.0	11.9	*
Sepsis	3	33.3	41.1	*	33.3	52.5	*	66.7	60.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	4.6	*	100.0	7.7	*	100.0	9.8	*
Carotid Endarterectomy	9	0.0	1.3	*	0.0	2.5	*	11.1	3.6	*
Hip Replacement/Reconstruction	7	0.0	2.0	*	14.3	3.9	*	28.6	5.3	*
Open Reduction of Hip Fracture	15	6.7	4.5	*	6.7	8.4	*	6.7	11.2	*
Prostatectomy	13	0.0	2.0	*	0.0	4.9	*	7.7	8.0	*
Cholecystectomy	13	0.0	2.0	*	0.0	3.1	*	0.0	3.7	*
Hysterectomy	5	0.0	3.1	*	0.0	6.1	*	0.0	9.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	852	10.7	10.0	2.0	18.5	15.6	2.0	22.5	20.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	34	23.5	26.4	*	23.5	28.9	*	23.5	32.0	*
Congestive Heart Failure	71	8.5	13.5	6.5	21.1	20.9	5.3	26.8	27.4	5.5
Pneumonia/Influenza	14	14.3	15.3	*	28.6	20.8	*	28.6	25.6	*
Chronic Obstructive Pulmonary Disease	21	14.3	8.8	*	19.0	14.4	*	28.6	19.0	*
Transient Cerebral Ischemia	12	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	35	22.9	18.3	*	37.1	24.8	*	40.0	29.2	*
Hip Fracture	17	5.9	5.8	*	11.8	11.2	*	29.4	15.3	*
Sepsis	4	50.0	27.1	*	50.0	36.2	*	50.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	7.0	*	0.0	10.0	*	0.0	12.4	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	11	9.1	4.8	*	18.2	9.5	*	36.4	13.1	*
Open Reduction of Hip Fracture	7	0.0	4.8	*	0.0	9.7	*	14.3	13.5	*
Prostatectomy	20	0.0	2.2	*	10.0	5.5	*	10.0	9.0	*
Cholecystectomy	11	0.0	4.2	*	18.2	8.7	*	27.3	12.6	*
Hysterectomy	5	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

129.1

SOUTH JERSEY HOSPITAL SYSTEM
IRVING AVENUE
BRIDGETON, NEW JERSEY 08302
(609) 451-6600

PAUL S. COOPER
President and
Chief Executive Officer

January 15, 1991

Health Care Financing Authority
Health Standards and Quality Bureau
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Medicare Provider #: 310032 (Millville)

Dear Ms Kappert:

Thank you for the opportunity to comment on the Medicare Hospital Mortality Information. Our comments concern data for both Divisions of South Jersey Hospital System: Millville and Bridgeton Divisions.

For all conditions and procedures, with the exception of congestive heart failure, the number of cases is too small to permit thorough evaluation. However, we have reviewed data associated with several of these categories and have the following comments:

Millville Division

Acute Myocardial Infarction: A review of deaths shows that all cases either were in cardiogenic shock or status post cardiac arrest. These cases were well distributed among seven (7) physicians with no significant trends.

TIA: Of the two patients who died, TIA was the admitting diagnosis but not the final diagnosis. Both were complex cardiac patients.

Carotid Endarterectomy: One patient who died within 90 days had surgery and was discharged from the hospital following surgery. It was noted that the patient had complex vascular and cardiac disease. The death was not directly related to the surgery but rather to the patient's complex disease.

Prostatectomy: Three patients expired. None were directly related to the procedure. One patient had metastatic cancer involving both the prostate and colon.

Bridgeton Division

Pneumonia: Eleven of the sixteen patients who died were admissions from a nursing home. Although six of the patients were diagnosed as pneumonia on a previous admission, the diagnoses for the admission associated with their death were due to following: subdural hematoma, malignancy, GI hemorrhage, drug withdrawal and UTI.

Chronic Obstructive Lung Disease: Of the 4 deaths, three died of other than COPD. Again, all 4 died during admissions subsequent to the admission when they were diagnosed as COPD. One had a cardiac arrest in the emergency room, one had septicemia, and one had cancer of the lung.

Sepsis: Three of the five people who died had End Stage Renal Disease with complex medical problems.

The one diagnosis with sufficient volume to allow for statistical significance is Congestive Heart Failure. Bridgeton falls well below the predicted mortality rate. Although the Millville rate is slightly higher than the predicted rate, they are well within one standard deviation of the expected rate using HCFA's formula, thus minimizing the significance of the difference. Preliminary review shows care rendered was appropriate.

An observation we made during our review of the report is as follows: multiple admissions during the reporting period frequently place a patient into a diagnostic or procedural category that does not accurately reflect the cause of death. If the data could be adjusted to reflect the actual cause of death on subsequent admissions we believe the report would be more meaningful.

Because both divisions serve as regional service sites, Bridgeton for ESRD and Millville for cancer patients, the mortality data needs to be reviewed with this information in mind.

We appreciate the opportunity to respond to the report. Our staff will continue to monitor deaths through our Quality Improvement Programs, along with other important indicators of quality.

Sincerely,

Paul S. Cooper
President

psc/ccb

SOUTHERN OCEAN COUNTY HOSPITAL

1140 W Bay Ave
Manahawkin, NJ 08050

Medicare Provider Number: 310113

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,596	11.3	10.3	2.1	17.1	15.4	3.7	20.7	19.5	2.7
CONDITIONS:										
Acute Myocardial Infarction	79	26.6	27.3	6.3	30.4	30.3	5.4	35.4	33.6	5.5
Congestive Heart Failure	112	14.3	15.3	3.7	29.5	23.3	5.9	35.7	30.0	6.1
Pneumonia/Influenza	92	30.4	17.6	6.7	35.9	23.9	6.9	38.0	28.8	6.5
Chronic Obstructive Pulmonary Disease	43	4.7	6.3	*	7.0	11.2	*	7.0	15.7	*
Transient Cerebral Ischemia	29	0.0	1.9	*	0.0	4.4	*	0.0	7.1	*
Stroke	90	12.2	19.6	7.0	21.1	26.2	7.2	26.7	30.5	5.4
Hip Fracture	37	5.4	6.4	*	10.8	11.4	*	10.8	14.7	*
Sepsis	17	35.3	27.2	*	35.3	34.2	*	35.3	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.2	*	0.0	8.2	*	9.1	12.1	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.6	*	0.0	3.5	*
Hip Replacement/Reconstruction	23	0.0	2.7	*	8.7	5.1	*	8.7	6.9	*
Open Reduction of Hip Fracture	14	14.3	6.8	*	14.3	12.8	*	14.3	16.7	*
Prostatectomy	49	0.0	0.9	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	31	3.2	2.2	*	3.2	3.5	*	3.2	4.4	*
Hysterectomy	7	0.0	1.2	*	14.3	2.9	*	14.3	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 100
Occupancy Rate 91
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 57
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 0
Registered Nurses 83
Licensed Practical Nurses 24

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

SOUTHERN OCEAN COUNTY HOSPITAL

Medicare Provider Number: 310113

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,644	10.6	9.8	1.1	15.6	14.5	1.3	18.5	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	86	23.3	26.7	6.8	25.6	30.0	6.2	29.1	33.5	6.6
Congestive Heart Failure	88	14.8	15.4	4.3	22.7	23.3	4.6	30.7	29.8	4.9
Pneumonia/Influenza	85	24.7	18.7	6.1	29.4	25.4	5.3	29.4	30.5	5.2
Chronic Obstructive Pulmonary Disease	13	23.1	11.6	*	38.5	19.8	*	38.5	26.6	*
Transient Cerebral Ischemia	18	0.0	2.4	*	0.0	5.3	*	0.0	8.0	*
Stroke	86	24.4	20.7	6.6	30.2	27.1	6.4	33.7	31.6	5.8
Hip Fracture	40	7.5	6.2	*	10.0	11.2	*	12.5	14.4	*
Sepsis	25	36.0	26.5	*	44.0	37.0	*	52.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.6	*	14.3	5.0	*	14.3	7.5	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	19	10.5	3.6	*	10.5	6.8	*	15.8	8.9	*
Open Reduction of Hip Fracture	20	10.0	5.2	*	10.0	9.8	*	10.0	13.0	*
Prostatectomy	63	1.6	0.9	1.4	1.6	2.0	1.8	1.6	3.2	2.6
Cholecystectomy	33	0.0	2.8	*	0.0	5.3	*	0.0	7.1	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,492	11.8	10.4	2.4	17.4	15.4	3.0	21.0	19.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	99	29.3	28.2	5.6	35.4	31.6	6.0	38.4	35.2	5.9
Congestive Heart Failure	79	19.0	16.7	4.8	27.8	25.4	5.4	35.4	32.5	6.1
Pneumonia/Influenza	74	24.3	16.8	8.1	29.7	22.6	10.7	33.8	27.4	11.9
Chronic Obstructive Pulmonary Disease	13	7.7	6.7	*	15.4	11.3	*	30.8	15.5	*
Transient Cerebral Ischemia	29	0.0	1.9	*	6.9	4.0	*	6.9	6.3	*
Stroke	79	21.5	20.5	5.0	27.8	27.6	5.1	34.2	32.3	6.3
Hip Fracture	33	3.0	6.2	*	6.1	11.2	*	6.1	14.5	*
Sepsis	17	41.2	34.5	*	64.7	44.0	*	70.6	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	5.6	*	29.4	9.2	*	29.4	12.2	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	16	0.0	4.8	*	6.3	9.5	*	6.3	13.0	*
Open Reduction of Hip Fracture	17	5.9	5.4	*	11.8	10.2	*	11.8	13.4	*
Prostatectomy	53	1.9	0.9	1.7	5.7	2.2	3.4	7.5	3.8	4.7
Cholecystectomy	27	0.0	2.4	*	0.0	3.8	*	0.0	4.5	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTHERN OCEAN COUNTY HOSPITAL
1140 WEST BAY AVENUE, MANAHAWKIN, NEW JERSEY 08050 - 609-597-6011

January 11, 1991

Medicare Provider # 310113

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Mortality rate analysis has been and will continue to be integral to Southern Ocean County Hospital's efforts to ensure that we continuously improve the quality of health care delivered at our institution. We are therefore very appreciative of the data you have provided in the hospital's Medicare Hospital Mortality Information Report. This data will allow the Governing Board and Medical Staff to utilize standards developed on the basis of other hospitals' experiences in addition to our own data.

We can fully appreciate the complexity involved in developing a consistently valid mortality rate prediction model and would recognize that significant improvement has been made over the past 3 years. There are still some concerns, however, which mandate caution be taken when drawing conclusions from this report.

As a 100 bed hospital, Southern Ocean County Hospital consistently experiences relatively small patient volumes. Obviously our results are subject to adverse selection as well as local abnormal conditions, such as weather, which often has a significant effect on the older age groups but cannot be accounted for in your model. Such conditions significantly alter the mortality rate of our patient population, most of whom are "older geriatric", but has a relatively insignificant effect on the standard deviation as calculated for the predicted mortality rates.

Clearly the use of the Medicare Hospital Mortality Information report by an uneducated general populace is impractical and detrimental. We are grateful for the training sessions which will be conducted for hospitals and medical communities. We are concerned that the average consumer will not have the benefit of this training and yet the consumer is being asked to interpret the statistical significance of the data. Naturally the hospitals and medical professionals will strive to fill this void and must also emphasize that quality of care encompasses far more than mortality rate data.

Medicare Provider #310113

In conclusion, we would like to thank you for providing this opportunity to comment on the mortality rate information which HCFA will be publishing. We will continue to evaluate this information as we strive to abide by the strictest available standards. Please also revise the Hospital Characteristics as follows:

Total Number of Physicians	-	62
Percent of Physicians who are Board Certified Specialists	-	71

Sincerely,

Charlie Apgar.

Charlie Apgar
Administrative Resident

CA/jaf

ST BARNABAS MEDICAL CENTER

Old Short Hills Rd
Livingston, NJ 07039

Medicare Provider Number: 310076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,902	9.0	8.5	1.2	14.9	13.5	1.9	18.8	17.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	106	25.5	25.0	4.3	26.4	28.4	4.6	27.4	31.8	5.2
Congestive Heart Failure	197	15.2	16.0	2.7	25.4	25.1	3.1	31.0	32.4	4.1
Pneumonia/Influenza	59	30.5	15.7	7.6	35.6	21.8	8.0	40.7	26.5	8.6
Chronic Obstructive Pulmonary Disease	32	6.3	9.1	*	18.8	15.5	*	21.9	21.1	*
Transient Cerebral Ischemia	46	0.0	1.8	*	2.2	4.0	*	4.3	6.3	*
Stroke	108	25.0	19.8	4.8	35.2	26.7	6.3	39.8	31.2	6.3
Hip Fracture	90	10.0	6.9	5.4	18.9	12.5	6.7	23.3	16.4	7.3
Sepsis	42	21.4	28.2	*	35.7	36.9	*	38.1	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	37	10.8	5.4	*	10.8	9.3	*	13.5	12.6	*
Carotid Endarterectomy	9	22.2	1.5	*	22.2	2.7	*	22.2	4.0	*
Hip Replacement/Reconstruction	68	5.9	4.2	3.1	10.3	8.2	4.5	14.7	11.2	4.9
Open Reduction of Hip Fracture	40	5.0	7.3	*	12.5	13.5	*	17.5	17.7	*
Prostatectomy	158	2.5	0.8	1.2	5.7	1.9	1.7	7.0	3.2	1.9
Cholecystectomy	71	9.9	3.7	3.9	11.3	6.8	4.0	11.3	8.9	4.3
Hysterectomy	65	1.5	0.9	1.3	1.5	1.9	2.2	3.1	2.8	2.5

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 538
Occupancy Rate 88
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 759
Percent of Physicians Board Certified Specialists 78
Medical Residents/Interns 117
Registered Nurses 507
Licensed Practical Nurses 92

SPECIALTY SERVICES:

Burn Unit ..... Yes
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... Yes
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST BARNABAS MEDICAL CENTER

Medicare Provider Number: 310076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,022	8.2	8.6	0.6	14.2	13.7	0.8	18.3	17.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	106	27.4	27.5	5.0	31.1	31.1	4.7	36.8	34.5	5.1
Congestive Heart Failure	218	18.8	16.2	3.1	31.2	24.9	4.4	39.9	31.7	5.4
Pneumonia/Influenza	67	20.9	18.2	6.5	26.9	25.0	7.0	34.3	30.1	8.5
Chronic Obstructive Pulmonary Disease	39	12.8	8.2	*	23.1	14.0	*	25.6	18.9	*
Transient Cerebral Ischemia	52	0.0	1.9	3.1	5.8	4.1	3.2	7.7	6.3	4.0
Stroke	137	19.0	20.4	3.7	29.2	27.9	4.1	32.1	32.6	4.3
Hip Fracture	93	5.4	5.7	2.4	11.8	10.7	3.6	17.2	14.1	5.6
Sepsis	37	21.6	29.5	*	32.4	39.2	*	43.2	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	44	13.6	6.6	*	18.2	10.8	*	22.7	14.4	*
Carotid Endarterectomy	16	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	76	2.6	3.9	3.3	5.3	7.7	4.0	10.5	10.5	3.5
Open Reduction of Hip Fracture	32	3.1	4.9	*	12.5	9.4	*	12.5	12.6	*
Prostatectomy	160	1.2	0.8	1.2	3.1	2.0	1.7	5.0	3.4	1.9
Cholecystectomy	81	3.7	3.3	2.0	8.6	6.0	3.4	8.6	8.0	4.7
Hysterectomy	42	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,193	9.1	8.8	0.9	14.2	14.0	1.0	18.3	18.0	0.8
CONDITIONS:										
Acute Myocardial Infarction	119	29.4	27.4	4.7	35.3	30.9	6.2	38.7	34.3	7.8
Congestive Heart Failure	206	18.4	16.8	2.8	30.1	26.0	4.3	39.8	33.4	5.8
Pneumonia/Influenza	59	23.7	20.5	6.0	35.6	27.6	8.2	44.1	32.9	10.3
Chronic Obstructive Pulmonary Disease	40	12.5	11.1	*	12.5	18.0	*	15.0	23.4	*
Transient Cerebral Ischemia	45	0.0	2.0	*	0.0	4.1	*	0.0	6.5	*
Stroke	144	24.3	20.8	4.7	29.2	27.8	4.1	33.3	32.3	4.3
Hip Fracture	91	6.6	6.7	3.1	13.2	12.4	3.8	16.5	16.1	3.9
Sepsis	45	33.3	27.9	*	42.2	37.6	*	44.4	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	2.8	3.4	*	8.3	6.5	*	19.4	9.4	*
Carotid Endarterectomy	10	10.0	1.6	*	10.0	3.1	*	20.0	4.4	*
Hip Replacement/Reconstruction	66	7.6	4.2	3.4	12.1	7.9	5.8	15.2	10.5	6.9
Open Reduction of Hip Fracture	41	4.9	6.6	*	7.3	12.5	*	7.3	16.4	*
Prostatectomy	158	1.3	1.2	1.0	3.2	2.9	1.7	4.4	4.8	2.2
Cholecystectomy	70	2.9	2.6	2.0	4.3	5.0	3.2	7.1	6.7	3.3
Hysterectomy	72	1.4	0.6	1.2	1.4	1.2	1.3	1.4	1.8	1.7

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

133.1

SAINT BARNABAS MEDICAL CENTER

RONALD J. DEL MAURO
President and Chief Executive Officer

January 15, 1991
Hospital ID #: 310076

The data as presented by HCFA for the 1989 Medicare Hospital Mortality Information have been reviewed and analyzed by Saint Barnabas Medical Center. In evaluating the findings for our institution it was particularly valuable to review the rates with the application of prediction intervals and with the diagnosis specific expected death rates post admission for 30, 90 and 180 days.

In evaluating our observed mortality rates against the predicted, we found that at the 75% prediction interval mortality rates for Pneumonia and Stroke exceeded the predicted rate within 1 or < 1 standard deviation. This finding was consistent for 30, 90,and 180 days post admission. Although this determination was important to note, more important was the finding that in comparing actual and predicted rates at the 95% and 99% prediction intervals, observed mortality rates for all causes and all conditions remain well within the bounds calculated to be consistent with nationally encountered variability in mortality rates.

With respect to procedures, mortality rates for prostatectomy and cholecystectomy were noted to be at variance from predicted rates in some areas. For prostatectomy rates at the 75% prediction interval, observed rates exceeded the predicted at 30, 90, and 180 days post admission within 1/2 to 1 standard deviation respectively. At the 95% prediction interval the rate was found to be within range at 30 days and in excess by less than 1/2 the standard deviation at 90 and 180 days. When comparing rates at the 99% prediction interval all three observed values were well within the predicted value range. In the case of cholecystectomy it was noted that at the 75% prediction interval at 30 days post admission, the mortality rate is exceeded by less than 1/2 the standard deviation. At the 95% and 99% intervals, the observed rates are found to be within the predicted value range for 30, 90, and 180 days post admission.

These findings indicate that although mortality rates were noted to be in excess of predicted rates at lower prediction intervals; <u>in all cases these values fell within the predicted range at the highest most significant prediction interval.</u> This observation provides a strong indication of our efforts to continuously monitor and improve the quality of care rendered to our Medicare beneficiaries.

All data provided for FY 1988 and 1987 show observed rates which also fall within the predicted range at the most significant prediction intervals. This finding demonstrates the consistency of our care with respect to mortality as a quality indicator. In the case of prostatectomy procedures, persistence of elevated rates at the 75% and 95% prediction intervals suggests the importance of ongoing monitoring and evaluation even though the variance rate is resolved at the highest prediction interval (99%).

We are satisfied that the quality of care administered at Saint Barnabas Medical Center meets with the high standards and goals we have projected for our institution. Through the ongoing development of our quality assurance program we continue to monitor, maintain and improve the standards as they are adjusted to the needs of our patient population.

We anticipate utilization of this HCFA data as a guiding mechanism to further enhance our ability to evaluate future areas of study in relation to our quality assurance efforts and our program development.

The commitment to quality assurance at Saint Barnabas Medical Center is an integral part of all of our treatment programs and services. We welcome the HCFA review and pledge to work with you in any way possible to enhance the delivery of quality healthcare service to our patients.

Ronald J. DelMauro, President
and Chief Executive Officer

Robert G. O'Driscoll, MD
President, Medical Staff

ST CLARES RIVERSIDE MEDICAL CENTER

Pocono Rd
Denville, NJ 07834

Medicare Provider Number: 310050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,113	8.5	9.0	0.8	13.8	14.0	1.1	17.4	17.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	28.0	*	38.0	31.3	*	40.0	34.6	*
Congestive Heart Failure	118	18.6	16.9	3.8	28.8	26.3	6.0	38.1	33.7	6.4
Pneumonia/Influenza	86	19.8	20.0	5.9	30.2	26.9	5.5	31.4	31.8	5.4
Chronic Obstructive Pulmonary Disease	29	3.4	10.4	*	10.3	16.3	*	10.3	21.6	*
Transient Cerebral Ischemia	57	1.8	2.2	2.7	8.8	4.9	4.3	8.8	7.8	4.6
Stroke	78	14.1	22.0	8.1	21.8	29.0	8.9	26.9	33.6	7.3
Hip Fracture	49	2.0	8.0	*	2.0	14.4	*	6.1	18.7	*
Sepsis	31	32.3	30.2	*	41.9	39.8	*	45.2	46.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	2.1	*	8.3	4.5	*	8.3	6.9	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	37	2.7	4.2	*	2.7	8.3	*	5.4	11.4	*
Open Reduction of Hip Fracture	26	0.0	8.3	*	0.0	15.4	*	0.0	20.1	*
Prostatectomy	100	1.0	1.2	2.1	5.0	2.9	2.8	9.0	5.0	3.8
Cholecystectomy	36	2.8	2.9	*	13.9	5.2	*	13.9	6.8	*
Hysterectomy	16	0.0	1.5	*	6.3	3.2	*	6.3	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 375
Occupancy Rate 82
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 313
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 249
Licensed Practical Nurses 83

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST CLARES RIVERSIDE MEDICAL CENTER

Medicare Provider Number: 310050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,978	8.4	9.0	0.9	13.6	13.8	0.9	18.1	17.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	51	25.5	31.1	9.1	33.3	34.6	10.0	35.3	38.2	10.7
Congestive Heart Failure	124	15.3	18.9	4.7	27.4	28.4	4.3	37.1	35.7	4.5
Pneumonia/Influenza	64	14.1	18.7	8.6	20.3	25.0	8.2	25.0	29.9	9.4
Chronic Obstructive Pulmonary Disease	24	8.3	11.4	*	29.2	19.1	*	29.2	24.9	*
Transient Cerebral Ischemia	67	1.5	1.9	2.0	4.5	4.2	3.7	9.0	6.6	5.6
Stroke	64	17.2	22.3	5.6	21.9	29.0	6.5	28.1	33.6	6.4
Hip Fracture	57	1.8	7.2	7.4	8.8	12.9	8.6	17.5	16.6	7.7
Sepsis	36	30.6	28.0	*	38.9	37.6	*	41.7	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	5.8	*	15.4	9.2	*	23.1	12.2	*
Carotid Endarterectomy	4	0.0	2.0	*	0.0	3.4	*	0.0	4.7	*
Hip Replacement/Reconstruction	25	0.0	4.3	*	0.0	8.6	*	12.0	11.7	*
Open Reduction of Hip Fracture	35	0.0	6.2	*	8.6	11.4	*	14.3	14.8	*
Prostatectomy	88	0.0	1.5	2.2	2.3	3.3	3.4	10.2	5.0	3.4
Cholecystectomy	29	10.3	2.6	*	10.3	4.6	*	10.3	5.8	*
Hysterectomy	21	0.0	1.2	*	14.3	2.6	*	14.3	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,959	9.6	8.8	1.0	15.4	13.6	1.7	20.1	17.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	60	28.3	30.2	6.3	36.7	33.9	6.9	38.3	37.7	6.5
Congestive Heart Failure	117	17.9	16.7	3.7	29.1	25.3	5.3	39.3	32.5	6.0
Pneumonia/Influenza	67	28.4	15.9	7.1	35.8	21.6	8.8	38.8	26.2	9.1
Chronic Obstructive Pulmonary Disease	21	4.8	10.6	*	23.8	17.3	*	28.6	22.4	*
Transient Cerebral Ischemia	59	6.8	2.1	3.9	10.2	4.6	3.7	15.3	7.3	5.4
Stroke	74	25.7	22.6	5.5	35.1	30.1	7.4	37.8	34.9	7.9
Hip Fracture	67	6.0	6.8	4.2	10.4	12.3	4.2	16.4	15.9	4.8
Sepsis	20	40.0	28.2	*	40.0	35.1	*	50.0	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	5.3	*	21.1	9.5	*	31.6	13.2	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	33	6.1	4.1	*	6.1	8.2	*	12.1	11.1	*
Open Reduction of Hip Fracture	41	4.9	6.4	*	9.8	12.0	*	12.2	15.6	*
Prostatectomy	77	0.0	1.4	1.8	2.6	3.4	2.3	5.2	5.7	2.9
Cholecystectomy	41	2.4	2.8	*	2.4	5.1	*	2.4	6.7	*
Hysterectomy	11	0.0	1.1	*	9.1	2.0	*	9.1	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

135.1

A Friend For Life
ST CLARES RIVERSIDE MEDICAL CENTER
Medicare Provider #310050
Our #(201) 625 6505 Telephone:

January 14, 1991

Attention: Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to submit the attached comments on the 1987, 1988 and 1989 mortality data for patients treated at St Clares*Riverside Medical Center.

Sincerely yours,

Joseph A. Trunfio, Ph.D.
Chief Operating Officer

JAT/ATG/crh

Attachment

cc: J. A. Trunfio, Ph.D. file, w/att.
S. Tenzer, w/att.
A. Ratcliffe, w/att.
M. Siman, Ph.D., w/att.
L. Stern, w/att.
A. T. Gionti, M.D. file, w/att.
I. Roseman, M.D., President Medical Staff
W. Cors, M.D., Vice President Medical Staff
P. Scaduto, M.D., Chairman Medical Affairs
D. Kluk, Q.A. Manager
Chairpersons of Departmental Q.A.

A Friend For Life
ST CLARES RIVERSIDE MEDICAL CENTER
Medicare Provider #310050
Our # (201) 625 3600 Telephone:

COMMENTS CONCERNING 1987, 1988 AND 1989 MORTALITY RATES FOR MEDICARE PATIENTS

The HCFA report of 1987, 1988 and 1989 mortality rates is thoughtfully designed, based on accepted statistical principles and provides information which will be useful in peer review.

Our overall mortality rates and those in each category were not meaningfully different from predicted rates. Nevertheless, the report has been submitted to each departmental committee for their information. Since analysis of mortality data constitutes only one aspect of peer review, we have given an overview of the program below.

The Board of Trustees, all aspects of the Medical Staff and the Administration of St Clares*Riverside Medical Center advocate confidential peer review as a means of monitoring the quality of patient care. Our program consists of a Quality Assessment (Q.A.) department and Q.A. committees which report to the chairpersons of the clinical departments, the Medical Executive Committee and a standing committee of the Board of Trustees. The charts for all patients treated at the medical center are screened for the quality and appropriateness of care with special emphasis on those of patients who die or develop complications.

One or more uninvolved physicians review the record of each patient who dies in the Medical Center. After any necessary clarifying information has been received from the treating doctors, a report is sent to the Q.A. committee where the quality of care is further analyzed and appropriate actions taken. Opportunities to improve care in the future are sought and implemented when found. The Peer Review Organization of New Jersey also conducts an independent review of the quality of hospital care and communicates with the hospital when problems are found.

1/14/91

ST ELIZABETH HOSPITAL

225 Williamson St
Elizabeth, NJ 07207

Medicare Provider Number: 310072

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,461	7.0	8.0	2.0	12.1	12.4	1.9	16.2	15.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	61	27.9	26.0	5.8	29.5	29.1	7.2	41.0	32.2	8.0
Congestive Heart Failure	148	14.9	13.7	3.1	20.9	21.7	3.6	29.7	28.3	4.2
Pneumonia/Influenza	64	14.1	15.3	5.3	20.3	20.3	5.1	21.9	24.5	6.2
Chronic Obstructive Pulmonary Disease	36	11.1	9.1	*	13.9	15.0	*	25.0	20.1	*
Transient Cerebral Ischemia	50	2.0	2.1	*	4.0	4.7	*	4.0	7.5	*
Stroke	98	13.3	19.9	5.8	20.4	26.7	5.8	26.5	31.1	5.3
Hip Fracture	35	2.9	6.8	*	11.4	12.2	*	17.1	15.8	*
Sepsis	16	37.5	38.2	*	50.0	46.1	*	50.0	52.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	7.2	*	0.0	19.9	*	0.0	35.5	*
Initial Pacemaker Insertion	22	4.5	3.5	*	9.1	6.5	*	13.6	9.4	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	16	6.3	4.0	*	6.3	7.5	*	6.3	9.9	*
Open Reduction of Hip Fracture	20	0.0	6.5	*	15.0	12.0	*	25.0	15.7	*
Prostatectomy	56	0.0	0.9	1.6	1.8	2.3	2.1	1.8	3.9	3.6
Cholecystectomy	39	0.0	2.7	*	2.6	4.6	*	2.6	5.9	*
Hysterectomy	13	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	328
Occupancy Rate	80
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	283
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	31
Registered Nurses	208
Licensed Practical Nurses	68

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST ELIZABETH HOSPITAL

Medicare Provider Number: 310072

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,367	8.1	8.2	0.6	13.5	12.7	0.8	17.7	16.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	73	32.9	27.9	8.6	38.4	30.7	9.0	38.4	33.8	8.1
Congestive Heart Failure	139	15.1	14.2	5.3	22.3	21.9	4.5	30.9	28.4	4.4
Pneumonia/Influenza	46	21.7	17.8	*	34.8	24.5	*	41.3	29.8	*
Chronic Obstructive Pulmonary Disease	21	14.3	10.0	*	19.0	16.0	*	19.0	20.6	*
Transient Cerebral Ischemia	46	2.2	2.2	*	6.5	4.9	*	8.7	7.7	*
Stroke	111	18.9	21.5	6.7	22.5	27.9	6.5	31.5	32.5	4.6
Hip Fracture	50	10.0	6.7	*	12.0	12.1	*	14.0	15.6	*
Sepsis	15	13.3	24.4	*	20.0	32.6	*	20.0	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	26.7	8.0	*	30.0	11.4	*	33.3	14.5	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	23	4.3	3.7	*	4.3	6.7	*	4.3	8.7	*
Open Reduction of Hip Fracture	32	9.4	6.5	*	12.5	12.3	*	15.6	16.1	*
Prostatectomy	75	1.3	1.2	1.8	1.3	2.8	2.8	1.3	4.7	4.0
Cholecystectomy	45	0.0	2.0	*	4.4	3.3	*	4.4	4.3	*
Hysterectomy	21	4.8	0.6	*	4.8	1.4	*	4.8	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,216	8.8	8.6	2.1	13.6	13.4	3.3	18.1	17.1	4.5
CONDITIONS:										
Acute Myocardial Infarction	63	33.3	32.4	6.1	34.9	35.6	6.4	39.7	39.0	6.3
Congestive Heart Failure	131	13.0	13.2	3.2	20.6	20.4	3.6	29.8	26.8	4.6
Pneumonia/Influenza	59	16.9	16.6	6.9	28.8	22.5	9.9	32.2	27.3	10.5
Chronic Obstructive Pulmonary Disease	32	6.3	12.0	*	9.4	18.8	*	15.6	24.1	*
Transient Cerebral Ischemia	49	0.0	2.4	*	2.0	5.2	*	8.2	8.2	*
Stroke	89	19.1	23.1	6.6	25.8	30.1	6.5	33.7	34.7	5.1
Hip Fracture	33	12.1	7.0	*	12.1	12.2	*	12.1	15.5	*
Sepsis	4	25.0	30.5	*	25.0	40.7	*	50.0	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.7	*	4.0	7.5	*	24.0	11.1	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.6	*	0.0	5.5	*
Hip Replacement/Reconstruction	19	5.3	5.0	*	5.3	9.2	*	5.3	11.8	*
Open Reduction of Hip Fracture	19	10.5	5.4	*	10.5	9.8	*	10.5	12.6	*
Prostatectomy	37	0.0	1.2	*	2.7	2.8	*	8.1	4.6	*
Cholecystectomy	28	7.1	4.2	*	14.3	8.0	*	14.3	10.7	*
Hysterectomy	8	0.0	1.0	*	12.5	2.0	*	12.5	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

This page is intentionally blank.

The Sisters of Charity
St. Elizabeth Hospital

225 Williamson Street
Elizabeth, New Jersey 07207
201/527-5000

January 15, 1991

Health Care Financing Administrator
Health Standards & Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert:

Dear Mrs. Kappert:

St. Elizabeth Hospital has reviewed the HCFA mortality data recently provided. We found four cases that require correction as noted on the attached. Please make the correction in the data base. This request is not for publication purposes.

If you have any questions, please contact me at (908) 527-5093.

Sincerely,

Charles Teasenfitz
Vice President Finance
Chief Financial Officer

CT:rf

Attach.

cc: T. Kondracki

(SK)

ST FRANCIS COMMUNITY HEALTH CENTER

25 Williams Pl
Jersey City, NJ 07302

Medicare Provider Number: 310049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,491	9.5	9.5	2.0	16.0	14.3	3.9	19.2	18.0	3.7
CONDITIONS:										
Acute Myocardial Infarction	32	43.8	29.4	*	46.9	32.3	*	46.9	35.6	*
Congestive Heart Failure	89	16.9	16.7	5.3	32.6	25.5	8.1	40.4	32.7	8.6
Pneumonia/Influenza	51	9.8	15.6	6.8	21.6	21.1	7.0	27.5	25.7	6.8
Chronic Obstructive Pulmonary Disease	26	0.0	9.7	*	0.0	15.4	*	0.0	20.4	*
Transient Cerebral Ischemia	34	0.0	2.0	*	5.9	4.5	*	11.8	7.3	*
Stroke	63	23.8	19.5	6.2	28.6	26.4	7.1	36.5	30.9	10.5
Hip Fracture	20	5.0	7.4	*	25.0	13.1	*	25.0	16.7	*
Sepsis	12	16.7	32.3	*	41.7	42.1	*	41.7	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	4.2	*	22.2	8.1	*	33.3	11.4	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.6	*	0.0	5.5	*
Hip Replacement/Reconstruction	13	7.7	6.9	*	15.4	12.0	*	23.1	15.9	*
Open Reduction of Hip Fracture	10	0.0	6.3	*	20.0	11.7	*	20.0	15.3	*
Prostatectomy	72	2.8	1.4	1.5	11.1	2.9	5.4	12.5	4.5	4.1
Cholecystectomy	29	6.9	5.4	*	10.3	9.6	*	13.8	12.2	*
Hysterectomy	6	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	254
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	210
Percent of Physicians Board Certified Specialists	40
Medical Residents/Interns	0
Registered Nurses	160
Licensed Practical Nurses	50

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS COMMUNITY HEALTH CENTER

Medicare Provider Number: 310049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,681	9.3	9.8	0.8	16.2	14.8	0.9	20.9	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	37	43.2	29.4	*	45.9	33.1	*	48.6	36.6	*
Congestive Heart Failure	105	20.0	15.7	5.4	30.5	23.6	6.3	33.3	30.1	5.1
Pneumonia/Influenza	69	13.0	15.8	4.6	23.2	21.0	5.3	30.4	25.2	5.9
Chronic Obstructive Pulmonary Disease	42	7.1	10.8	*	7.1	18.0	*	21.4	23.8	*
Transient Cerebral Ischemia	53	0.0	2.0	*	0.0	4.1	*	1.9	6.4	*
Stroke	49	16.3	20.7	*	26.5	27.7	*	32.7	32.5	*
Hip Fracture	28	7.1	8.7	*	28.6	15.5	*	35.7	19.5	*
Sepsis	19	36.8	42.4	*	52.6	49.9	*	57.9	55.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	17.6	9.6	*	23.5	13.5	*	23.5	16.8	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	14	7.1	4.6	*	14.3	8.8	*	21.4	11.7	*
Open Reduction of Hip Fracture	16	12.5	7.7	*	37.5	13.9	*	37.5	17.8	*
Prostatectomy	79	0.0	1.4	1.9	1.3	3.2	2.5	3.8	5.1	3.3
Cholecystectomy	37	2.7	3.2	*	8.1	5.3	*	8.1	6.8	*
Hysterectomy	8	0.0	1.0	*	0.0	2.2	*	0.0	3.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,692	9.9	9.8	0.8	16.5	14.8	1.7	19.6	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	46	30.4	30.9	*	32.6	34.3	*	34.8	37.9	*
Congestive Heart Failure	82	24.4	18.3	8.4	34.1	26.8	10.6	41.5	33.7	11.0
Pneumonia/Influenza	60	16.7	18.1	5.3	25.0	24.2	5.6	26.7	29.3	6.9
Chronic Obstructive Pulmonary Disease	51	3.9	13.9	6.2	7.8	21.4	7.7	13.7	26.7	8.5
Transient Cerebral Ischemia	42	2.4	2.1	*	4.8	4.5	*	7.1	7.1	*
Stroke	75	20.0	20.8	4.9	25.3	28.0	5.6	30.7	32.6	5.8
Hip Fracture	25	4.0	6.2	*	4.0	10.9	*	8.0	13.9	*
Sepsis	15	40.0	40.4	*	66.7	47.8	*	73.3	54.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	6.4	*	40.0	13.0	*	40.0	18.5	*
Carotid Endarterectomy	3	0.0	2.1	*	0.0	3.8	*	0.0	5.6	*
Hip Replacement/Reconstruction	11	18.2	3.0	*	18.2	5.7	*	18.2	7.4	*
Open Reduction of Hip Fracture	16	6.3	5.8	*	6.3	10.5	*	12.5	13.5	*
Prostatectomy	80	0.0	1.0	1.8	1.2	2.5	3.0	3.8	4.1	3.6
Cholecystectomy	40	2.5	2.2	*	5.0	3.9	*	5.0	5.2	*
Hysterectomy	11	0.0	2.0	*	0.0	4.5	*	0.0	6.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST FRANCIS MEDICAL CENTER

601 Hamilton Ave
Trenton, NJ 08629

Medicare Provider Number: 310021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,973	9.6	9.1	0.9	14.8	13.9	1.6	17.8	17.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	113	30.1	31.8	4.8	34.5	34.9	4.7	36.3	38.3	4.7
Congestive Heart Failure	181	14.9	16.3	2.9	23.2	25.2	3.4	28.7	32.2	4.4
Pneumonia/Influenza	92	30.4	18.3	6.6	33.7	24.6	6.2	35.9	29.6	5.5
Chronic Obstructive Pulmonary Disease	27	7.4	11.0	*	22.2	17.7	*	22.2	23.0	*
Transient Cerebral Ischemia	76	3.9	2.0	2.8	6.6	4.3	3.5	6.6	6.8	4.7
Stroke	117	17.1	20.4	5.3	23.9	27.3	6.6	29.9	31.7	5.4
Hip Fracture	53	11.3	7.4	5.7	17.0	13.1	5.6	17.0	16.8	6.6
Sepsis	18	38.9	30.3	*	44.4	38.0	*	50.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	7.4	3.7	*	7.4	6.3	*	7.4	8.6	*
Carotid Endarterectomy	24	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	22	0.0	3.9	*	0.0	7.3	*	0.0	9.7	*
Open Reduction of Hip Fracture	32	12.5	7.5	*	18.8	13.5	*	18.8	17.4	*
Prostatectomy	135	3.0	1.1	1.9	3.0	2.5	1.6	5.2	4.1	2.3
Cholecystectomy	50	4.0	3.6	*	4.0	6.9	*	8.0	9.2	*
Hysterectomy	13	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 406
Occupancy Rate 70
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 194
Percent of Physicians Board Certified Specialists 65
Medical Residents/Interns 45
Registered Nurses 199
Licensed Practical Nurses 101

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST FRANCIS MEDICAL CENTER

Medicare Provider Number: 310021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,836	9.6	9.7	0.6	15.6	14.8	0.7	20.2	18.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	109	32.1	34.0	7.8	39.4	37.4	7.5	41.3	41.2	4.9
Congestive Heart Failure	179	15.1	17.3	3.8	25.7	26.3	3.3	34.6	33.5	4.4
Pneumonia/Influenza	80	21.2	18.3	6.5	28.7	24.7	7.6	32.5	29.4	7.5
Chronic Obstructive Pulmonary Disease	14	35.7	14.2	*	50.0	22.5	*	50.0	28.8	*
Transient Cerebral Ischemia	72	2.8	2.4	3.1	4.2	5.2	4.2	5.6	8.1	4.9
Stroke	102	19.6	21.5	7.2	30.4	28.1	6.7	32.4	32.7	5.9
Hip Fracture	51	3.9	6.8	6.5	5.9	11.9	9.5	9.8	15.1	9.5
Sepsis	22	27.3	34.2	*	50.0	43.5	*	54.5	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	3.4	9.0	*	3.4	13.7	*	10.3	17.2	*
Carotid Endarterectomy	11	0.0	1.7	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	27	3.7	5.5	*	7.4	11.0	*	14.8	14.7	*
Open Reduction of Hip Fracture	29	6.9	6.9	*	6.9	12.5	*	10.3	16.0	*
Prostatectomy	135	0.7	1.0	1.2	2.2	2.6	2.4	5.9	4.2	3.2
Cholecystectomy	36	8.3	2.9	*	8.3	5.3	*	11.1	6.9	*
Hysterectomy	15	6.7	0.6	*	6.7	1.3	*	13.3	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,898	9.5	9.8	1.0	15.5	15.0	1.7	20.3	19.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	103	28.2	35.7	7.8	35.0	38.9	6.9	38.8	42.3	5.4
Congestive Heart Failure	171	20.5	18.2	3.5	29.8	27.4	5.4	40.4	34.7	7.3
Pneumonia/Influenza	59	18.6	18.8	5.3	32.2	25.0	8.7	37.3	30.0	10.9
Chronic Obstructive Pulmonary Disease	30	16.7	18.0	*	23.3	28.2	*	33.3	35.1	*
Transient Cerebral Ischemia	80	2.5	2.1	1.8	6.3	4.5	3.4	6.3	7.1	3.6
Stroke	114	21.9	23.1	5.0	28.1	30.5	4.7	36.0	35.1	4.7
Hip Fracture	47	6.4	6.5	*	12.8	11.7	*	21.3	15.1	*
Sepsis	20	50.0	40.8	*	60.0	50.3	*	60.0	57.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	0.0	2.8	*	11.5	6.3	*	15.4	9.8	*
Carotid Endarterectomy	14	7.1	2.2	*	7.1	4.1	*	7.1	5.9	*
Hip Replacement/Reconstruction	26	0.0	6.7	*	3.8	12.2	*	7.7	15.7	*
Open Reduction of Hip Fracture	28	3.6	5.3	*	10.7	10.3	*	21.4	13.6	*
Prostatectomy	153	1.3	1.1	0.9	3.3	2.6	1.5	5.2	4.4	2.0
Cholecystectomy	53	5.7	3.6	3.1	11.3	6.3	5.2	13.2	8.0	7.0
Hysterectomy	28	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JAMES HOSPITAL

155 Jefferson St
Newark, NJ 07105

Medicare Provider Number: 310018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	679	9.3	9.2	2.3	14.9	13.8	1.8	19.3	17.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	17	35.3	22.5	*	35.3	25.2	*	35.3	28.6	*
Congestive Heart Failure	58	6.9	15.8	7.0	19.0	24.2	6.4	27.6	31.1	6.4
Pneumonia/Influenza	34	20.6	15.3	*	23.5	20.5	*	29.4	25.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.6	*	0.0	12.7	*	9.1	17.5	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	4.3	*	0.0	6.8	*
Stroke	29	13.8	19.6	*	27.6	25.8	*	34.5	30.1	*
Hip Fracture	8	0.0	4.7	*	0.0	8.0	*	0.0	10.3	*
Sepsis	13	15.4	30.4	*	30.8	38.0	*	46.2	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.9	*	0.0	7.6	*	9.1	11.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	7	0.0	4.1	*	0.0	7.4	*	0.0	9.7	*
Prostatectomy	22	0.0	0.7	*	4.5	1.8	*	4.5	3.1	*
Cholecystectomy	4	0.0	6.6	*	0.0	12.7	*	25.0	17.1	*
Hysterectomy	3	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 189
Occupancy Rate 72
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 105
Percent of Physicians Board Certified Specialists 48
Medical Residents/Interns 0
Registered Nurses 106
Licensed Practical Nurses 28

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST JAMES HOSPITAL

Medicare Provider Number: 310018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	730	9.0	9.4	1.3	14.5	14.0	2.0	18.5	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	54.5	38.4	*	63.6	42.7	*	68.2	47.0	*
Congestive Heart Failure	62	12.9	14.6	5.4	21.0	22.4	6.3	29.0	29.1	5.8
Pneumonia/Influenza	31	12.9	14.9	*	16.1	20.5	*	16.1	24.9	*
Chronic Obstructive Pulmonary Disease	13	0.0	11.1	*	15.4	17.8	*	23.1	23.6	*
Transient Cerebral Ischemia	11	0.0	2.1	*	0.0	4.4	*	0.0	6.9	*
Stroke	41	9.8	18.5	*	14.6	25.0	*	24.4	29.5	*
Hip Fracture	6	0.0	7.0	*	16.7	12.6	*	33.3	16.1	*
Sepsis	3	0.0	19.8	*	33.3	29.8	*	33.3	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	5.2	*	33.3	9.8	*	33.3	12.9	*
Open Reduction of Hip Fracture	2	0.0	8.9	*	0.0	16.0	*	0.0	20.2	*
Prostatectomy	31	0.0	1.4	*	0.0	3.4	*	3.2	5.6	*
Cholecystectomy	7	0.0	3.4	*	0.0	6.3	*	0.0	8.2	*
Hysterectomy	9	11.1	1.0	*	11.1	2.0	*	11.1	2.9	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	699	9.6	9.3	1.2	14.6	13.9	1.5	17.2	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	16	43.8	34.4	*	43.8	38.3	*	43.8	42.4	*
Congestive Heart Failure	70	12.9	17.3	6.7	20.0	25.7	7.7	24.3	32.5	9.4
Pneumonia/Influenza	20	15.0	16.5	*	25.0	22.1	*	35.0	26.6	*
Chronic Obstructive Pulmonary Disease	13	0.0	9.7	*	0.0	16.9	*	0.0	23.0	*
Transient Cerebral Ischemia	9	11.1	2.9	*	11.1	6.2	*	11.1	9.8	*
Stroke	28	17.9	20.4	*	25.0	26.3	*	32.1	30.6	*
Hip Fracture	11	9.1	6.6	*	18.2	11.2	*	27.3	14.4	*
Sepsis	2	0.0	21.4	*	50.0	27.9	*	50.0	34.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.7	*	0.0	9.8	*	0.0	14.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	7.0	*	0.0	11.8	*	0.0	15.1	*
Open Reduction of Hip Fracture	7	14.3	5.3	*	28.6	9.7	*	42.9	12.8	*
Prostatectomy	27	0.0	1.3	*	0.0	3.1	*	3.7	5.3	*
Cholecystectomy	7	14.3	3.3	*	14.3	5.9	*	14.3	7.4	*
Hysterectomy	6	0.0	1.4	*	0.0	3.4	*	0.0	5.4	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

703 Main St
Paterson, NJ 07503

Medicare Provider Number: 310019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,380	9.9	8.8	2.5	15.3	13.4	4.2	18.9	17.1	5.0
CONDITIONS:										
Acute Myocardial Infarction	86	34.9	27.4	9.5	38.4	30.6	9.9	41.9	34.1	9.2
Congestive Heart Failure	153	19.6	17.0	3.4	31.4	26.2	4.7	35.3	33.4	4.0
Pneumonia/Influenza	130	23.1	17.2	5.9	30.8	23.5	6.3	35.4	28.4	7.0
Chronic Obstructive Pulmonary Disease	29	13.8	7.8	*	20.7	13.8	*	24.1	19.0	*
Transient Cerebral Ischemia	50	0.0	1.8	*	0.0	4.0	*	2.0	6.3	*
Stroke	102	21.6	22.5	4.4	34.3	29.2	6.0	39.2	33.7	6.7
Hip Fracture	39	5.1	7.6	*	12.8	13.3	*	28.2	17.0	*
Sepsis	30	16.7	24.8	*	20.0	33.1	*	26.7	39.2	*
PROCEDURES:										
Angioplasty	98	2.0	2.5	1.7	2.0	3.3	2.1	2.0	4.2	2.7
Coronary Artery Bypass Graft	180	9.4	5.3	3.9	10.6	8.0	2.9	10.6	9.8	2.3
Initial Pacemaker Insertion	20	0.0	2.8	*	10.0	6.0	*	10.0	9.0	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	14	7.1	3.0	*	14.3	5.7	*	14.3	7.8	*
Open Reduction of Hip Fracture	29	3.4	7.0	*	10.3	12.6	*	27.6	16.4	*
Prostatectomy	77	3.9	1.7	2.1	7.8	4.0	3.5	11.7	6.4	5.2
Cholecystectomy	41	2.4	5.0	*	9.8	8.3	*	12.2	10.2	*
Hysterectomy	17	0.0	1.2	*	0.0	2.5	*	5.9	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	700
Occupancy Rate	92
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	426
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	134
Registered Nurses	572
Licensed Practical Nurses	107

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 310019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,478	10.2	9.2	0.6	15.8	13.8	0.7	20.4	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	85	31.8	28.4	9.8	37.6	32.1	9.4	40.0	35.7	9.5
Congestive Heart Failure	169	17.2	16.2	3.0	30.8	24.4	4.7	37.3	31.1	5.0
Pneumonia/Influenza	121	16.5	19.7	4.3	27.3	26.1	4.1	30.6	31.1	4.2
Chronic Obstructive Pulmonary Disease	32	6.3	9.1	*	15.6	14.7	*	18.8	19.4	*
Transient Cerebral Ischemia	69	2.9	2.3	1.9	2.9	5.0	3.3	7.2	7.9	3.4
Stroke	117	22.2	20.7	4.0	28.2	27.3	4.9	35.0	31.9	5.7
Hip Fracture	62	6.5	6.7	3.9	12.9	11.7	4.3	16.1	14.9	5.0
Sepsis	25	40.0	32.6	*	52.0	40.3	*	52.0	46.3	*
PROCEDURES:										
Angioplasty	101	2.0	2.7	1.7	4.0	3.5	2.0	4.0	4.4	2.2
Coronary Artery Bypass Graft	180	7.2	6.4	2.2	10.6	9.0	2.5	11.7	10.6	2.6
Initial Pacemaker Insertion	18	11.1	10.2	*	22.2	15.9	*	22.2	20.3	*
Carotid Endarterectomy	9	11.1	1.5	*	11.1	2.8	*	11.1	4.1	*
Hip Replacement/Reconstruction	30	10.0	3.5	*	13.3	6.6	*	13.3	8.6	*
Open Reduction of Hip Fracture	32	0.0	5.6	*	6.3	10.4	*	6.3	13.6	*
Prostatectomy	77	0.0	2.0	2.1	1.3	4.7	3.0	5.2	7.4	3.6
Cholecystectomy	43	4.7	3.6	*	4.7	6.5	*	7.0	8.5	*
Hysterectomy	18	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,424	10.3	9.3	1.0	17.2	14.0	3.7	20.5	17.6	3.5
CONDITIONS:										
Acute Myocardial Infarction	84	28.6	27.9	5.3	32.1	31.4	5.2	35.7	34.9	5.6
Congestive Heart Failure	159	23.9	16.1	4.4	36.5	24.0	5.8	41.5	30.5	5.6
Pneumonia/Influenza	112	23.2	19.4	4.4	31.3	25.7	5.8	33.0	30.7	4.6
Chronic Obstructive Pulmonary Disease	32	9.4	10.4	*	28.1	17.2	*	37.5	22.5	*
Transient Cerebral Ischemia	57	0.0	2.4	3.0	1.8	5.0	4.1	5.3	7.8	4.1
Stroke	118	25.4	22.2	4.6	34.7	28.7	7.2	38.1	33.1	7.3
Hip Fracture	66	6.1	8.1	4.6	10.6	14.5	8.2	15.2	18.6	8.1
Sepsis	27	25.9	32.7	*	37.0	41.3	*	44.4	48.0	*
PROCEDURES:										
Angioplasty	58	3.4	2.7	3.2	6.9	3.8	4.4	6.9	5.2	6.3
Coronary Artery Bypass Graft	139	3.6	5.8	2.9	5.8	8.2	3.5	7.2	9.7	3.2
Initial Pacemaker Insertion	21	4.8	4.3	*	14.3	8.1	*	14.3	11.2	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	32	0.0	5.0	*	0.0	9.4	*	0.0	12.5	*
Open Reduction of Hip Fracture	39	7.7	7.0	*	15.4	13.3	*	20.5	17.5	*
Prostatectomy	82	0.0	1.4	*	0.0	3.1	*	0.0	4.8	*
Cholecystectomy	36	2.8	2.5	*	5.6	4.4	*	5.6	5.7	*
Hysterectomy	22	0.0	0.8	*	4.5	1.5	*	4.5	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

This page is intentionally blank.

St. Joseph's Hospital and Medical Center

703 Main Street ■ Paterson ■ New Jersey 07503 ■ (201) 977-2000

MEDICAL AFFAIRS

Continuing Commitment to Care

John A. Paterson, D.D.S., A.B.O.M.S
Senior Vice President

(201) 977-2250

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider No:
31-0019

The 1989 Medicare Hospital and Mortality Rate Data, we are pleased to say, indicates that in every category and in each of the three time frames the observed mortality rate at St. Joseph's Hospital and Medical Center is within a range that suggests any variation is random and therefore not meaningful. To the extent that this is a measure of quality, it is attributable to an institutional commitment to the continuous improvement of patient care.

This hospital will, as in the past, use the data as part of an on-going process of continuous quality improvement. Historic data that applies to mortalities occurring 90 and 180 days after hospital discharge have no value in assessing quality issues within the hospital community. They should be interpreted as a potential measure of the availability of appropriate community resources for continued care. For instance, the availability of nursing home support or home health care resources. It may be, particularly, a measure of the economic health of the community which effects diet, nutrition, public safety, drug abuse and accessibility to physician services.

John A. Paterson, D.D.S.
Senior Vice President for Medical Affairs

JAP/dav
cc: Sister Jane Frances Brady
President, C.E.O.
St. Joseph's Hospital and Medical Center

ST MARYS HOSPITAL

211 Pennington Ave
Passaic, NJ 07055

Medicare Provider Number: 310006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,960	7.4	8.0	0.9	11.3	12.4	1.0	14.7	15.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	27.8	27.6	6.4	27.8	30.5	7.3	27.8	33.8	9.5
Congestive Heart Failure	116	13.8	14.9	3.7	21.6	22.6	5.2	29.3	29.1	4.4
Pneumonia/Influenza	45	8.9	17.3	*	15.6	23.6	*	20.0	28.6	*
Chronic Obstructive Pulmonary Disease	23	8.7	10.0	*	21.7	16.3	*	30.4	21.7	*
Transient Cerebral Ischemia	41	2.4	2.0	*	2.4	4.5	*	9.8	7.2	*
Stroke	100	12.0	18.4	5.0	20.0	24.6	4.9	25.0	28.9	5.0
Hip Fracture	41	9.8	6.7	*	12.2	11.8	*	14.6	15.3	*
Sepsis	11	27.3	17.6	*	27.3	24.3	*	27.3	29.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	5.8	*	0.0	10.4	*	7.1	14.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	4.5	*	12.5	8.2	*	12.5	10.6	*
Open Reduction of Hip Fracture	24	4.2	6.1	*	4.2	11.5	*	4.2	15.1	*
Prostatectomy	103	0.0	1.1	1.4	1.0	2.7	2.1	3.9	4.3	2.1
Cholecystectomy	42	0.0	3.1	*	0.0	5.6	*	0.0	7.2	*
Hysterectomy	9	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 226
Occupancy Rate 73
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 239
Percent of Physicians Board Certified Specialists 54
Medical Residents/Interns 0
Registered Nurses 186
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 310006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,902	9.3	7.8	0.9	14.3	12.0	1.1	17.0	15.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	60	35.0	27.7	8.1	35.0	30.5	7.2	36.7	33.7	6.5
Congestive Heart Failure	92	18.5	15.9	5.3	26.1	23.7	4.8	30.4	30.4	4.8
Pneumonia/Influenza	42	14.3	17.1	*	16.7	23.2	*	21.4	28.0	*
Chronic Obstructive Pulmonary Disease	19	10.5	10.1	*	15.8	16.4	*	21.1	21.3	*
Transient Cerebral Ischemia	43	0.0	2.1	*	11.6	4.5	*	20.9	7.2	*
Stroke	98	23.5	19.6	7.2	32.7	26.5	9.4	35.7	31.1	9.3
Hip Fracture	39	5.1	7.0	*	25.6	12.5	*	30.8	16.0	*
Sepsis	16	37.5	23.6	*	43.8	28.4	*	43.8	33.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.5	*	0.0	4.7	*	0.0	7.0	*
Carotid Endarterectomy	6	0.0	1.4	*	16.7	2.6	*	16.7	3.9	*
Hip Replacement/Reconstruction	18	0.0	2.9	*	5.6	5.8	*	11.1	7.8	*
Open Reduction of Hip Fracture	18	5.6	7.7	*	33.3	14.0	*	38.9	17.9	*
Prostatectomy	91	1.1	1.0	1.7	3.3	2.4	2.2	4.4	3.9	2.5
Cholecystectomy	29	3.4	2.3	*	3.4	3.9	*	6.9	5.0	*
Hysterectomy	20	0.0	1.1	*	0.0	2.3	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,775	9.7	8.8	2.1	14.4	13.5	3.0	18.1	17.1	3.8
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	34.3	*	40.0	37.4	*	45.0	40.6	*
Congestive Heart Failure	86	23.3	18.6	5.8	29.1	26.9	5.7	34.9	33.8	5.6
Pneumonia/Influenza	45	26.7	17.1	*	33.3	22.7	*	42.2	27.3	*
Chronic Obstructive Pulmonary Disease	19	21.1	13.0	*	26.3	21.0	*	26.3	27.3	*
Transient Cerebral Ischemia	47	0.0	2.4	*	4.3	5.2	*	10.6	8.3	*
Stroke	87	32.2	25.9	8.8	39.1	33.4	8.4	42.5	38.0	7.0
Hip Fracture	38	2.6	7.0	*	5.3	11.9	*	5.3	15.0	*
Sepsis	7	14.3	24.6	*	28.6	31.8	*	42.9	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.1	*	0.0	8.3	*	16.7	11.8	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hip Replacement/Reconstruction	18	0.0	5.2	*	5.6	9.1	*	5.6	11.6	*
Open Reduction of Hip Fracture	17	5.9	5.7	*	5.9	10.4	*	5.9	13.4	*
Prostatectomy	113	0.0	1.1	1.9	3.5	2.6	1.9	4.4	4.2	3.1
Cholecystectomy	42	4.8	2.6	*	4.8	4.8	*	4.8	6.4	*
Hysterectomy	16	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARYS HOSPITAL

308 Willow Ave
Hoboken, NJ 07030

Medicare Provider Number: 310040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,473	9.1	8.7	1.0	14.5	13.4	2.3	18.8	17.1	3.4
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	26.4	*	31.6	29.3	*	31.6	32.7	*
Congestive Heart Failure	77	23.4	15.7	8.4	31.2	23.9	9.5	35.1	30.8	7.3
Pneumonia/Influenza	46	8.7	17.3	*	23.9	23.0	*	30.4	27.6	*
Chronic Obstructive Pulmonary Disease	39	12.8	10.3	*	20.5	17.2	*	33.3	23.0	*
Transient Cerebral Ischemia	47	2.1	2.2	*	6.4	4.8	*	12.8	7.6	*
Stroke	46	26.1	23.0	*	37.0	30.6	*	39.1	35.4	*
Hip Fracture	20	0.0	11.1	*	5.0	17.9	*	5.0	22.0	*
Sepsis	12	25.0	41.4	*	33.3	50.2	*	50.0	56.1	*
PROCEDURES:										
Angioplasty	1	0.0	7.9	*	0.0	12.3	*	100.0	14.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.4	*	16.7	8.0	*	16.7	13.0	*
Carotid Endarterectomy	6	0.0	2.1	*	0.0	4.0	*	0.0	5.9	*
Hip Replacement/Reconstruction	7	0.0	7.2	*	0.0	12.8	*	0.0	16.2	*
Open Reduction of Hip Fracture	11	0.0	11.3	*	0.0	18.8	*	0.0	23.2	*
Prostatectomy	89	0.0	1.0	1.5	1.1	2.3	2.3	4.5	3.9	2.2
Cholecystectomy	32	9.4	4.6	*	9.4	7.9	*	9.4	10.0	*
Hysterectomy	8	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 330
Occupancy Rate 67
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 318
Percent of Physicians Board Certified Specialists 37
Medical Residents/Interns 27
Registered Nurses 145
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

** **Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 310040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,612	9.2	9.7	0.8	15.4	14.7	1.0	19.4	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	33	33.3	31.0	*	39.4	34.1	*	39.4	37.6	*
Congestive Heart Failure	111	16.2	16.0	4.8	32.4	24.1	6.2	39.6	30.8	7.2
Pneumonia/Influenza	43	27.9	22.0	*	34.9	28.6	*	39.5	33.6	*
Chronic Obstructive Pulmonary Disease	46	2.2	11.9	*	13.0	19.8	*	19.6	25.8	*
Transient Cerebral Ischemia	48	8.3	2.7	*	14.6	6.1	*	14.6	9.7	*
Stroke	67	11.9	20.6	7.3	19.4	27.6	7.1	25.4	32.3	7.1
Hip Fracture	28	10.7	6.9	*	21.4	11.9	*	25.0	15.1	*
Sepsis	18	38.9	38.1	*	44.4	47.8	*	50.0	54.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	66.7	13.7	*	66.7	20.8	*	66.7	26.8	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	11	9.1	6.7	*	18.2	10.1	*	27.3	12.6	*
Open Reduction of Hip Fracture	15	20.0	6.7	*	20.0	12.1	*	20.0	15.4	*
Prostatectomy	82	0.0	1.2	1.6	1.2	2.9	2.3	2.4	4.9	3.2
Cholecystectomy	28	3.6	3.0	*	10.7	5.3	*	17.9	7.0	*
Hysterectomy	11	9.1	7.0	*	9.1	12.5	*	9.1	16.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,746	9.8	9.8	1.2	16.2	14.7	3.7	20.6	18.6	4.3
CONDITIONS:										
Acute Myocardial Infarction	39	43.6	32.0	*	48.7	35.0	*	48.7	38.2	*
Congestive Heart Failure	107	21.5	17.5	5.3	29.0	26.0	7.8	37.4	32.9	6.8
Pneumonia/Influenza	49	12.2	17.2	*	20.4	23.0	*	22.4	27.8	*
Chronic Obstructive Pulmonary Disease	46	6.5	10.6	*	17.4	17.6	*	19.6	23.1	*
Transient Cerebral Ischemia	52	3.8	2.6	2.6	9.6	5.5	4.7	11.5	8.7	5.5
Stroke	62	27.4	23.8	6.0	41.9	31.2	7.0	50.0	35.9	8.2
Hip Fracture	31	6.5	9.8	*	9.7	16.0	*	22.6	19.7	*
Sepsis	26	46.2	34.6	*	53.8	40.8	*	57.7	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	5.0	*	9.1	9.8	*	27.3	13.5	*
Carotid Endarterectomy	4	0.0	2.3	*	0.0	4.1	*	0.0	6.0	*
Hip Replacement/Reconstruction	12	8.3	6.7	*	8.3	11.8	*	25.0	15.1	*
Open Reduction of Hip Fracture	18	5.6	10.4	*	11.1	17.9	*	22.2	22.4	*
Prostatectomy	90	0.0	1.5	2.2	2.2	3.7	3.1	7.8	6.2	3.3
Cholecystectomy	29	0.0	2.1	*	0.0	3.6	*	0.0	4.9	*
Hysterectomy	9	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARYS HOSPITAL

135 S Center St
Orange, NJ 07050

Medicare Provider Number: 310071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,312	10.9	9.0	3.8	17.5	14.1	5.6	21.6	18.2	5.8
CONDITIONS:										
Acute Myocardial Infarction	26	30.8	28.7	*	38.5	31.5	*	42.3	34.6	*
Congestive Heart Failure	102	17.6	13.8	4.9	26.5	21.8	7.2	32.4	28.3	7.4
Pneumonia/Influenza	41	22.0	19.5	*	31.7	26.5	*	31.7	31.7	*
Chronic Obstructive Pulmonary Disease	21	14.3	13.8	*	14.3	22.0	*	19.0	28.4	*
Transient Cerebral Ischemia	33	0.0	2.5	*	3.0	5.7	*	3.0	9.1	*
Stroke	78	20.5	17.1	6.4	25.6	24.0	5.6	29.5	28.3	5.2
Hip Fracture	20	15.0	7.0	*	20.0	12.5	*	25.0	16.2	*
Sepsis	15	26.7	26.6	*	53.3	38.7	*	53.3	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.2	*	50.0	5.8	*	50.0	8.2	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	12	8.3	5.7	*	16.7	11.8	*	16.7	16.9	*
Open Reduction of Hip Fracture	13	23.1	6.8	*	23.1	12.6	*	30.8	16.5	*
Prostatectomy	62	4.8	1.3	2.4	6.5	3.3	3.3	8.1	5.6	4.6
Cholecystectomy	21	19.0	3.7	*	23.8	6.5	*	28.6	8.6	*
Hysterectomy	4	0.0	0.4	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 202
Occupancy Rate 54
Ownership/Control ..... Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians 212
Percent of Physicians Board Certified Specialists 67
Medical Residents/Interns 0
Registered Nurses 74
Licensed Practical Nurses 43

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 310071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,502	9.3	8.8	0.9	16.0	13.7	1.6	19.6	17.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	23	21.7	30.2	*	21.7	33.3	*	21.7	36.7	*
Congestive Heart Failure	74	13.5	15.1	4.2	20.3	23.3	5.3	32.4	30.0	5.5
Pneumonia/Influenza	51	21.6	20.4	9.6	33.3	27.2	11.0	39.2	32.1	14.1
Chronic Obstructive Pulmonary Disease	33	6.1	9.7	*	12.1	16.1	*	15.2	21.2	*
Transient Cerebral Ischemia	40	2.5	2.2	*	10.0	4.7	*	15.0	7.4	*
Stroke	77	22.1	21.7	4.8	33.8	28.7	7.0	36.4	33.3	6.8
Hip Fracture	26	7.7	7.3	*	7.7	13.2	*	11.5	17.0	*
Sepsis	16	25.0	26.5	*	31.3	35.6	*	43.8	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	10.6	*	20.0	15.5	*	20.0	19.4	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	16	0.0	6.2	*	6.3	12.1	*	6.3	16.4	*
Open Reduction of Hip Fracture	8	0.0	6.0	*	0.0	10.8	*	0.0	14.0	*
Prostatectomy	81	1.2	1.1	2.0	6.2	2.8	3.1	7.4	4.7	3.9
Cholecystectomy	17	5.9	4.2	*	17.6	6.8	*	23.5	8.1	*
Hysterectomy	9	11.1	0.8	*	11.1	1.7	*	11.1	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,568	8.4	8.4	0.8	14.5	13.4	1.7	18.0	17.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	28	25.0	28.0	*	25.0	31.7	*	25.0	35.5	*
Congestive Heart Failure	100	22.0	14.8	5.8	33.0	22.8	6.4	36.0	29.5	6.0
Pneumonia/Influenza	54	20.4	18.7	6.9	27.8	24.8	6.9	31.5	29.8	7.0
Chronic Obstructive Pulmonary Disease	34	11.8	12.7	*	17.6	20.8	*	23.5	27.5	*
Transient Cerebral Ischemia	55	0.0	1.6	2.4	3.6	3.4	2.7	3.6	5.3	3.9
Stroke	58	22.4	23.3	5.9	27.6	30.0	7.3	34.5	34.5	7.0
Hip Fracture	32	6.3	6.0	*	15.6	10.6	*	15.6	13.6	*
Sepsis	18	16.7	30.3	*	38.9	39.2	*	38.9	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.8	*	0.0	10.6	*	0.0	16.1	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	24	4.2	3.9	*	8.3	7.5	*	12.5	10.2	*
Open Reduction of Hip Fracture	14	0.0	5.2	*	14.3	9.8	*	14.3	12.8	*
Prostatectomy	98	0.0	1.2	1.8	5.1	2.8	2.4	7.1	4.6	3.4
Cholecystectomy	25	8.0	4.5	*	12.0	8.0	*	16.0	10.1	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MICHAELS MEDICAL CENTER

306 High Street
Newark, NJ 07102

Medicare Provider Number: 310096

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,716	8.0	7.9	2.1	12.6	12.2	2.4	16.1	15.5	2.5
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	23.8	*	23.1	27.1	*	28.2	30.3	*
Congestive Heart Failure	69	5.8	13.4	8.1	15.9	21.3	7.8	24.6	27.9	6.9
Pneumonia/Influenza	58	13.8	19.1	7.0	22.4	25.5	7.5	27.6	30.3	6.3
Chronic Obstructive Pulmonary Disease	16	12.5	10.2	*	12.5	16.9	*	18.8	22.3	*
Transient Cerebral Ischemia	21	0.0	1.3	*	4.8	2.8	*	4.8	4.4	*
Stroke	44	18.2	22.8	*	22.7	30.1	*	25.0	34.7	*
Hip Fracture	9	11.1	7.1	*	33.3	12.3	*	44.4	15.6	*
Sepsis	22	31.8	22.9	*	36.4	32.1	*	40.9	37.5	*
PROCEDURES:										
Angioplasty	92	6.5	2.4	2.9	6.5	3.4	2.5	7.6	4.6	2.7
Coronary Artery Bypass Graft	111	9.9	5.8	4.1	11.7	8.7	3.7	13.5	10.3	4.0
Initial Pacemaker Insertion	2	0.0	4.0	*	0.0	7.4	*	0.0	10.4	*
Carotid Endarterectomy	15	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	5	20.0	6.3	*	20.0	12.4	*	40.0	17.9	*
Open Reduction of Hip Fracture	5	0.0	4.7	*	20.0	9.3	*	40.0	12.7	*
Prostatectomy	24	0.0	1.0	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	14	0.0	3.6	*	7.1	5.9	*	21.4	7.7	*
Hysterectomy	15	13.3	0.8	*	13.3	2.0	*	13.3	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	411
Occupancy Rate	79
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	316
Percent of Physicians Board Certified Specialists	60
Medical Residents/Interns	105
Registered Nurses	247
Licensed Practical Nurses	55

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST MICHAELS MEDICAL CENTER

Medicare Provider Number: 310096

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,713	8.8	8.7	0.8	15.2	13.6	1.2	19.6	17.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	30.1	*	43.8	33.6	*	50.0	37.3	*
Congestive Heart Failure	101	9.9	14.8	5.5	16.8	22.9	6.0	24.8	29.5	5.8
Pneumonia/Influenza	81	25.9	21.0	5.7	39.5	27.8	7.2	42.0	33.0	7.7
Chronic Obstructive Pulmonary Disease	13	7.7	7.8	*	15.4	12.8	*	15.4	17.2	*
Transient Cerebral Ischemia	21	0.0	2.0	*	4.8	4.1	*	4.8	6.2	*
Stroke	39	28.2	21.6	*	43.6	28.3	*	46.2	32.8	*
Hip Fracture	20	5.0	8.0	*	10.0	13.9	*	15.0	17.6	*
Sepsis	24	25.0	34.9	*	50.0	47.5	*	62.5	55.1	*
PROCEDURES:										
Angioplasty	63	0.0	1.9	2.5	0.0	2.6	3.2	1.6	3.5	2.9
Coronary Artery Bypass Graft	78	9.0	6.2	3.4	12.8	8.8	4.3	14.1	10.3	4.8
Initial Pacemaker Insertion	3	0.0	5.5	*	33.3	11.4	*	33.3	16.7	*
Carotid Endarterectomy	7	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	4	0.0	10.6	*	0.0	18.5	*	0.0	22.7	*
Open Reduction of Hip Fracture	9	11.1	8.8	*	22.2	15.9	*	22.2	20.2	*
Prostatectomy	34	0.0	1.7	*	8.8	3.8	*	8.8	6.0	*
Cholecystectomy	22	4.5	4.4	*	13.6	8.0	*	13.6	10.6	*
Hysterectomy	8	0.0	2.4	*	0.0	5.3	*	0.0	8.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,714	8.1	8.6	1.5	13.3	13.3	2.3	17.6	17.0	3.0
CONDITIONS:										
Acute Myocardial Infarction	43	23.3	28.5	*	23.3	31.4	*	25.6	34.7	*
Congestive Heart Failure	71	8.5	13.8	6.8	12.7	20.7	8.8	18.3	26.9	9.5
Pneumonia/Influenza	72	18.1	20.3	6.6	23.6	26.8	6.3	33.3	32.1	5.6
Chronic Obstructive Pulmonary Disease	10	20.0	24.9	*	30.0	34.7	*	30.0	40.4	*
Transient Cerebral Ischemia	24	0.0	2.1	*	4.2	4.5	*	4.2	7.0	*
Stroke	33	12.1	22.2	*	27.3	28.8	*	36.4	33.3	*
Hip Fracture	13	7.7	8.6	*	7.7	14.7	*	23.1	18.7	*
Sepsis	11	45.5	32.8	*	54.5	42.1	*	63.6	47.8	*
PROCEDURES:										
Angioplasty	29	6.9	2.8	*	6.9	4.1	*	6.9	5.5	*
Coronary Artery Bypass Graft	79	7.6	5.8	3.1	10.1	8.5	3.9	13.9	10.1	6.0
Initial Pacemaker Insertion	17	0.0	2.5	*	5.9	5.3	*	5.9	8.1	*
Carotid Endarterectomy	13	0.0	1.9	*	15.4	3.7	*	15.4	5.4	*
Hip Replacement/Reconstruction	5	0.0	8.5	*	0.0	14.5	*	0.0	18.0	*
Open Reduction of Hip Fracture	6	0.0	5.4	*	0.0	10.7	*	16.7	14.6	*
Prostatectomy	28	3.6	3.7	*	7.1	8.5	*	10.7	13.1	*
Cholecystectomy	11	9.1	3.8	*	9.1	6.2	*	9.1	7.5	*
Hysterectomy	11	0.0	1.3	*	9.1	2.9	*	27.3	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST PETERS MEDICAL CENTER

254 Easton Ave
New Brunswick, NJ 08903

Medicare Provider Number: 310070

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,787	10.2	9.9	1.3	17.2	15.6	3.5	21.0	20.0	3.7
CONDITIONS:										
Acute Myocardial Infarction	84	32.1	29.4	5.8	35.7	33.5	7.2	41.7	37.1	7.5
Congestive Heart Failure	102	10.8	15.5	4.5	26.5	23.9	4.5	35.3	30.9	5.2
Pneumonia/Influenza	140	18.6	19.7	6.5	32.9	26.4	6.0	35.0	31.7	5.1
Chronic Obstructive Pulmonary Disease	23	4.3	8.0	*	13.0	13.9	*	17.4	19.1	*
Transient Cerebral Ischemia	51	3.9	1.7	2.6	5.9	3.7	3.5	7.8	5.8	4.6
Stroke	101	18.8	20.4	4.3	26.7	27.1	5.8	27.7	31.5	7.6
Hip Fracture	51	7.8	7.3	4.6	19.6	13.0	7.7	19.6	17.0	8.4
Sepsis	28	35.7	29.0	*	50.0	39.4	*	57.1	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	2.8	*	0.0	5.5	*	3.6	8.0	*
Carotid Endarterectomy	19	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	17	11.8	5.9	*	23.5	10.9	*	23.5	14.3	*
Open Reduction of Hip Fracture	24	4.2	7.2	*	16.7	13.7	*	16.7	18.3	*
Prostatectomy	81	0.0	1.5	1.9	1.2	3.2	2.6	3.7	5.2	3.5
Cholecystectomy	51	0.0	2.2	3.6	3.9	3.8	4.4	5.9	5.1	6.2
Hysterectomy	30	0.0	0.9	*	0.0	1.9	*	3.3	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	426
Occupancy Rate	91
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	489
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	328
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST PETERS MEDICAL CENTER

Medicare Provider Number: 310070

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,960	9.8	10.1	0.6	16.7	15.8	0.9	21.5	20.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	89	21.3	29.1	6.7	33.7	32.7	7.8	37.1	36.2	5.2
Congestive Heart Failure	131	16.0	15.7	3.2	22.9	23.5	3.8	26.7	30.2	5.5
Pneumonia/Influenza	119	21.0	22.2	4.0	28.6	29.3	4.4	33.6	34.7	4.5
Chronic Obstructive Pulmonary Disease	33	6.1	11.1	*	9.1	19.0	*	15.2	25.4	*
Transient Cerebral Ischemia	68	2.9	2.3	5.7	11.8	5.1	4.0	14.7	7.9	4.5
Stroke	99	17.2	22.3	6.1	23.2	29.5	6.0	27.3	34.4	7.3
Hip Fracture	81	11.1	8.0	3.6	23.5	14.2	5.9	27.2	18.1	6.7
Sepsis	26	34.6	27.2	*	50.0	38.0	*	53.8	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	18.2	9.7	*	18.2	13.9	*	27.3	17.4	*
Carotid Endarterectomy	9	0.0	1.5	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	22	4.5	6.8	*	9.1	12.8	*	13.6	16.8	*
Open Reduction of Hip Fracture	53	7.5	7.2	4.4	22.6	13.4	7.4	24.5	17.3	8.4
Prostatectomy	91	1.1	1.7	1.4	6.6	3.6	3.3	7.7	5.6	2.7
Cholecystectomy	54	3.7	3.4	3.2	9.3	6.1	4.4	9.3	8.0	4.6
Hysterectomy	32	0.0	1.6	*	0.0	2.1	*	0.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,833	9.4	9.5	0.9	15.6	14.9	2.0	19.8	19.2	2.6
CONDITIONS:										
Acute Myocardial Infarction	82	30.5	29.9	5.2	34.1	33.5	5.2	36.6	37.0	5.3
Congestive Heart Failure	133	16.5	16.4	3.3	27.1	24.7	4.2	33.1	31.7	5.0
Pneumonia/Influenza	113	16.8	20.6	6.0	23.9	27.5	6.4	28.3	33.0	8.2
Chronic Obstructive Pulmonary Disease	30	6.7	9.4	*	13.3	15.7	*	20.0	20.8	*
Transient Cerebral Ischemia	52	1.9	2.1	2.8	1.9	4.3	3.8	5.8	6.7	3.7
Stroke	85	12.9	20.9	6.6	23.5	28.0	6.1	27.1	32.5	6.9
Hip Fracture	61	8.2	7.0	3.4	16.4	12.4	5.4	16.4	16.2	5.3
Sepsis	33	27.3	18.7	*	45.5	26.9	*	45.5	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.1	*	6.7	6.1	*	6.7	8.9	*
Carotid Endarterectomy	15	6.7	2.1	*	6.7	4.5	*	6.7	6.6	*
Hip Replacement/Reconstruction	27	7.4	5.5	*	11.1	10.2	*	11.1	13.5	*
Open Reduction of Hip Fracture	31	9.7	6.5	*	22.6	11.9	*	22.6	15.5	*
Prostatectomy	103	1.0	1.5	1.6	1.9	3.8	2.8	4.9	6.4	3.8
Cholecystectomy	50	0.0	2.6	*	2.0	4.3	*	4.0	5.6	*
Hysterectomy	21	0.0	0.6	*	0.0	1.3	*	4.8	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

165.1

St. Peter's Medical Center

254 Easton Avenue, P.O. Box 591, New Brunswick, New Jersey 08903-0591 • (201) 745-8600

Medicare Provider Number: 310070

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

St. Peter's Medical Center is a 416 bed major medical center and teaching facility offering comprehensive care to the community through a variety of medical and wellness programs.

We are a Catholic, voluntary, non-profit health care facility sponsored by the Diocese of Metuchen. We have been serving the New Brunswick and Central New Jersey area for more than three-quarters of a century.

St. Peter's is a major teaching affiliate of the University of Medicine and Dentistry of New Jersey (UMDNJ), providing residency programs in pathology, radiology, pediatrics, obstetrics and gynecology, orthopedic surgery, primary care internal medicine and family practice. There are also fellowships in cardiology, endocrinology, nephrology, infectious disease, pulmonology, hematology/oncology, neonatology and geriatrics.

Our ultimate mission is to meet the medical and health needs of today and tomorrow, and to fulfill the emotional and spiritual needs of our patients and their families. We strive to promote respect and dignity for human life.

The Medical Center welcomes the opportunity to comment on the fourth annual release of Medicare Hospital Mortality Information. St. Peter's has long established an ongoing quality assurance program to objectively and systematically monitor and evaluate the quality and appropriateness of patient care, and pursue opportunities to improve patient care. Quality of care is of utmost concern to the Board of Trustees, Administration, Medical Staff and Management Staff of St. Peter's Medical Center.

The 1990 Health Care Financing Administration (HCFA) Mortality Review is changed in format from previous years. We find this information to be more helpful. We are able to track patient outcomes within specific time ranges (30 days, 90 days, 180 days) after admission. It gives us more information than the arbitrary review of deaths occurring within thirty days of admission. Also, this helps us validate our internal reviews against established parameters.

It is the policy of St. Peter's Medical Center in its Quality of Care Assessment to review in an ongoing manner all deaths occurring within the hospital and to study outcomes of selected diagnoses, procedures and aspects of care.

In all categories, our observed mortality rates fall within the predicted ranges where those ranges can be validly established (HCFA Attachment A).

In the eight HCFA categories, there were 580 admissions with 182 deaths occurring within 180 days of admission. This represents 31.1% of the deaths reported for "all causes" (182/585) of the 2,787 admissions included in the report for the fiscal year 1989. All 182 charts were retrieved and reviewed indepth. In sorting out the actual numbers of cases in each category, we find a discrepancy in the "Observed Mortality Rate" for Congestive Heart Failure within 90 days. Our calculated rate appears to be 25.5% instead of the 26.5% reported by HCFA.

Of the 182 patients on the mortality list, 105 died in the hospital during that admission. Twenty-eight were readmitted to the hospital and died of other causes. We were able to verify the deaths of these 133 patients. We assume the deaths occurring elsewhere (home, nursing home and transfers to other institutions) are correct as presented by HCFA. The average age of the patients included in the study was 80.1 years old.

Since the charts were randomly selected by HCFA for each of the eight categories, one must note that this does not imply that the patient died of that diagnosis. HCFA states, "Thus, if a patient had more than one hospital discharge during the specified fiscal year, any one of these stays may have been selected for analysis." For example, there were 140 discharges listed under the category of Pneumonia/Influenza. Of the 49 deaths in this category, 23 recovered and were discharged and ultimately died of other causes.

One factor not considered in the HCFA data are the "Do Not Resuscitate" (DNR) orders (this is a term used to request that hospital staffs do not attempt to use heroic measures to save or restore life in patients with severe, progressive disease). Nearly 73% of the patients in the Mortality Study had DNR orders. An indepth study of these cases was made and revealed all were appropriate considering the patient/family requests, the age of the patients, the severe medical conditions and the poor prognosis.

Again, this year, there are errors in the information provided for the characteristics of St. Peter's Medical Center. There are 109.5 interns and residents in St. Peter's Medical Center; a major teaching hospital of the UMDNJ-Robert Wood Johnson Medical School. St. Peter's Medical Center has a Cardiac Care Unit as well as a Medical Intensive Care and a Surgical Intensive Care Unit.

HCFA's release of mortality data raises many important questions. Answers concerning quality of care can only be provided upon review of the patient's medical record. Discrepancies identified upon indepth chart reviews once again supports our contention that statistics alone should not be the sole indicator for the evaluation of care. For example, those who died of TIA had major co-morbidities accounting for their deaths. Some of the factors to be considered when evaluating quality of care, are the severity of the patient's illness at the time of admission, whether the patient was receiving treatment prior to admission, and the general health and psychological condition of the patient. The essential component of this process is physician peer review. Such a process has long been in place at St. Peter's Medical Center.

St. Peter's Medical Center continuously strives to assure high quality patient care by requiring and supporting such detailed review through its Medical Center-wide quality assurance program.

Very truly yours,

John Matuska

John Matuska
President

THE MEDICAL CENTER OF OCEAN COUNTY

2121 Edgewater Place
Point Pleasant, NJ 08742

Medicare Provider Number: 310052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,726	9.5	9.5	1.7	14.9	14.4	2.2	18.5	18.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	155	29.0	28.9	4.3	35.5	32.1	4.5	36.8	35.6	5.5
Congestive Heart Failure	306	14.1	15.4	3.0	22.2	23.8	3.8	28.4	30.6	4.1
Pneumonia/Influenza	169	21.9	17.3	5.1	27.8	23.5	5.1	32.0	28.4	4.3
Chronic Obstructive Pulmonary Disease	95	10.5	9.0	5.7	21.1	15.1	7.8	26.3	20.4	8.4
Transient Cerebral Ischemia	121	4.1	2.0	1.9	9.1	4.4	3.5	11.6	7.0	4.8
Stroke	224	17.0	20.2	4.0	23.7	26.9	5.2	28.1	31.3	5.5
Hip Fracture	138	6.5	6.4	2.6	13.8	11.4	4.0	20.3	14.8	6.0
Sepsis	56	35.7	28.0	8.0	46.4	36.1	8.8	50.0	42.5	7.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	9.1	4.1	*	13.6	7.8	*	22.7	11.2	*
Carotid Endarterectomy	43	2.3	1.4	*	4.7	2.5	*	7.0	3.6	*
Hip Replacement/Reconstruction	94	4.3	3.1	2.3	8.5	6.0	2.8	12.8	8.1	3.7
Open Reduction of Hip Fracture	53	3.8	6.4	4.1	11.3	11.9	4.6	17.0	15.6	5.5
Prostatectomy	111	0.0	1.0	1.2	1.8	2.5	2.2	1.8	4.2	3.1
Cholecystectomy	78	3.8	3.2	4.0	6.4	5.6	4.4	7.7	7.4	4.4
Hysterectomy	29	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 405
Occupancy Rate 84
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 219
Percent of Physicians Board Certified Specialists 61
Medical Residents/Interns 0
Registered Nurses 320
Licensed Practical Nurses 175

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

THE MEDICAL CENTER OF OCEAN COUNTY

Medicare Provider Number: 310052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,759	10.1	9.8	0.5	15.4	14.8	0.6	18.6	18.7	0.6
CONDITIONS:										
Acute Myocardial Infarction	163	27.0	30.1	4.9	32.5	33.4	4.7	33.1	37.1	4.6
Congestive Heart Failure	305	11.1	15.8	3.2	21.0	23.8	2.8	28.5	30.3	3.0
Pneumonia/Influenza	140	23.6	18.1	5.6	29.3	24.1	6.3	30.7	28.9	4.9
Chronic Obstructive Pulmonary Disease	54	16.7	15.7	5.3	29.6	23.6	7.2	33.3	29.9	7.1
Transient Cerebral Ischemia	124	2.4	2.5	2.1	5.6	5.5	3.0	8.9	8.6	3.2
Stroke	210	25.2	21.3	4.4	31.4	28.1	4.0	34.3	32.6	3.5
Hip Fracture	136	4.4	6.1	3.2	8.8	11.0	4.6	11.0	14.2	5.7
Sepsis	53	32.1	25.0	7.9	39.6	33.5	7.8	39.6	39.9	7.0
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	27	3.7	5.4	*	7.4	8.8	*	7.4	11.9	*
Carotid Endarterectomy	73	0.0	1.7	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	94	2.1	3.4	2.3	6.4	6.6	2.9	8.5	8.8	2.9
Open Reduction of Hip Fracture	48	4.2	6.0	*	6.3	11.1	*	8.3	14.5	*
Prostatectomy	101	1.0	1.2	1.1	2.0	3.0	2.0	5.0	5.1	2.3
Cholecystectomy	107	2.8	2.6	1.5	4.7	4.4	2.0	6.5	5.7	3.2
Hysterectomy	30	3.3	1.2	*	3.3	2.4	*	3.3	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,384	9.6	9.6	1.2	15.8	14.7	2.2	19.8	18.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	150	28.7	30.6	4.4	33.3	33.8	4.1	36.0	37.4	4.2
Congestive Heart Failure	303	16.2	17.2	2.4	26.7	26.1	3.1	31.7	33.4	3.4
Pneumonia/Influenza	104	13.5	17.7	7.3	19.2	23.6	5.8	24.0	28.5	6.9
Chronic Obstructive Pulmonary Disease	80	16.2	9.7	4.3	22.5	16.8	7.4	37.5	22.4	7.4
Transient Cerebral Ischemia	124	5.6	2.2	2.8	10.5	4.7	3.0	14.5	7.4	3.3
Stroke	219	22.8	20.4	3.3	31.5	27.3	5.2	36.5	31.8	4.7
Hip Fracture	102	4.9	6.4	3.4	8.8	11.7	5.8	11.8	15.3	6.2
Sepsis	45	24.4	24.0	*	33.3	32.4	*	40.0	38.5	*
PROCEDURES:										
Angioplasty	1	0.0	2.6	*	0.0	4.7	*	0.0	6.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	3.4	3.8	*	10.3	7.5	*	13.8	10.9	*
Carotid Endarterectomy	50	2.0	1.9	*	4.0	3.7	*	4.0	5.4	*
Hip Replacement/Reconstruction	73	2.7	3.1	2.6	4.1	5.9	4.1	5.5	7.7	4.7
Open Reduction of Hip Fracture	32	0.0	6.5	*	6.3	12.4	*	9.4	16.2	*
Prostatectomy	112	0.0	1.0	1.4	0.9	2.5	2.2	3.6	4.2	2.0
Cholecystectomy	86	3.5	2.7	2.6	4.7	4.6	3.9	8.1	5.8	4.6
Hysterectomy	20	0.0	1.2	*	5.0	2.5	*	5.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

157.1

The
Medical Center
OF OCEAN COUNTY
POINT PLEASANT • BRICK

RICHARD J. LEONE, FACHE
PRESIDENT

January 10, 1991

Medicare Provider #310052

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

The following comments are submitted in response to the release of the 1989 Medicare Hospital Mortality Data for this institution (Provider #310052).

The Medical Center of Ocean County supports, in principle the disclosure to the public of quantifiable information regarding the quality of care provided in hospitals, assuming such information is relevant, accurate, verifiable, and consistent. Our first and foremost concern is the provision of quality care and, to achieve this, the Medical Center and Medical Staff commit extensive time and resources to quality assurance activities, including in-depth reviews of hospital mortalities and ongoing review of statistical trends.

HCFA believes that the use of random admission selection provides a better representation of a typical hospital admission. A patient who may have multiple admissions for various reasons may have their death categorized to an admission which does not pertain to the principal reason the patient expired. This is well documented in the Transient Cerebral Ischemic category. Fifty-two percent (52%) of deaths occurring in the Transient Cerebral Ischemic category expired during a separate hospitalization which their principal diagnosis/cause of death were not related to the category of Transient Cerebral Ischemia.

In review of the HCFA Mortality numbers, we have noted that their random selection process reported a total of 4,726 cases which, represent only Sixty-five percent (65%) of the Medical Center's total Medicare population for fiscal year 1989. It should also be noted that HCFA utilized Eighty percent (80%) of the deaths within thirty days to calculate the Medical Centers predicted death rates.

2121 EDGEWATER PLACE, POINT PLEASANT, NJ 08742-2290 • 201-892-1100

The HCFA data is helpful as a screening tool to identify possible quality issues for further study. HCFA has stated that mortality statistics are only one indicator of quality, and certainly this data does not provide a sufficient basis upon which to make a determination about the quality of care in the Medical Center. The Medical Center of Ocean County supports and encourages continued efforts by HCFA and others to develop meaningful quality indices that may be used to assess and improve the level of care delivered by Hospitals.

I trust you will find this information helpful and I would be pleased to supply additional commentary at your request.

Sincerely,

Morris Feitel, M.D.
Vice President of Medical Affairs

UNDERWOOD MEMORIAL HOSPITAL

509 N Broad St
Woodbury, NJ 08096

Medicare Provider Number: 310081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,159	10.6	9.9	2.2	16.3	15.1	3.2	20.1	19.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	98	23.5	29.8	5.5	31.6	32.9	4.8	34.7	36.2	5.0
Congestive Heart Failure	237	16.5	14.5	3.9	24.1	22.4	3.6	30.0	28.9	3.1
Pneumonia/Influenza	88	19.3	17.6	5.1	29.5	23.9	6.7	31.8	28.6	5.7
Chronic Obstructive Pulmonary Disease	53	1.9	5.7	4.0	9.4	10.4	4.3	17.0	14.6	5.1
Transient Cerebral Ischemia	90	2.2	1.8	2.5	7.8	4.2	3.6	8.9	6.9	3.8
Stroke	137	19.7	20.2	3.5	27.7	27.0	3.9	30.7	31.3	4.2
Hip Fracture	72	6.9	6.5	2.9	8.3	11.6	4.2	11.1	14.9	4.9
Sepsis	32	43.8	30.6	*	59.4	39.8	*	68.8	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.9	*	7.7	6.8	*	7.7	9.2	*
Carotid Endarterectomy	12	8.3	1.4	*	8.3	2.6	*	8.3	3.7	*
Hip Replacement/Reconstruction	50	4.0	3.0	*	4.0	5.6	*	6.0	7.5	*
Open Reduction of Hip Fracture	41	2.4	6.0	*	4.9	11.2	*	7.3	14.6	*
Prostatectomy	65	0.0	1.5	2.0	0.0	3.0	3.2	1.5	4.7	3.6
Cholecystectomy	63	1.6	2.5	2.6	1.6	4.4	3.4	4.8	5.7	3.0
Hysterectomy	15	0.0	0.4	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 339
Occupancy Rate 72
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 206
Percent of Physicians Board Certified Specialists 72
Medical Residents/Interns 13
Registered Nurses 288
Licensed Practical Nurses 99

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

UNDERWOOD MEMORIAL HOSPITAL

Medicare Provider Number: 310081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,089	10.2	10.2	0.6	16.1	15.5	0.8	20.1	19.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	109	22.9	29.6	6.4	23.9	32.8	6.9	26.6	36.4	7.5
Congestive Heart Failure	169	17.2	16.8	3.6	27.8	25.6	4.4	32.5	32.5	3.6
Pneumonia/Influenza	95	20.0	18.8	4.4	30.5	25.1	5.5	36.8	30.0	8.0
Chronic Obstructive Pulmonary Disease	41	2.4	6.1	*	2.4	10.7	*	7.3	14.8	*
Transient Cerebral Ischemia	85	5.9	2.1	2.9	9.4	4.5	3.6	10.6	7.1	3.7
Stroke	131	17.6	20.8	6.0	22.1	27.7	7.6	26.7	32.2	8.9
Hip Fracture	78	5.1	6.5	3.1	12.8	11.8	4.0	16.7	15.1	4.7
Sepsis	41	46.3	37.1	*	63.4	46.8	*	68.3	53.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.6	*	0.0	4.8	*	0.0	7.1	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.2	*	0.0	4.9	*
Hip Replacement/Reconstruction	50	8.0	5.1	*	12.0	8.8	*	16.0	11.2	*
Open Reduction of Hip Fracture	45	4.4	6.4	*	13.3	12.0	*	20.0	15.7	*
Prostatectomy	87	2.3	1.3	1.4	5.7	3.1	2.5	9.2	5.1	3.7
Cholecystectomy	50	4.0	4.8	*	10.0	8.1	*	10.0	10.1	*
Hysterectomy	15	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,957	9.9	9.9	0.6	16.1	14.9	2.1	20.2	18.8	2.6
CONDITIONS:										
Acute Myocardial Infarction	126	27.8	28.8	4.5	32.5	31.7	4.5	35.7	34.9	4.3
Congestive Heart Failure	172	19.2	16.3	4.8	27.9	24.7	5.5	34.3	31.7	4.6
Pneumonia/Influenza	103	20.4	20.2	4.2	32.0	27.1	6.2	35.9	32.5	6.0
Chronic Obstructive Pulmonary Disease	40	12.5	10.8	*	27.5	18.3	*	32.5	23.6	*
Transient Cerebral Ischemia	110	3.6	2.0	2.1	9.1	4.3	4.2	10.9	6.9	4.6
Stroke	107	19.6	20.3	4.1	29.9	27.5	6.1	35.5	31.9	6.6
Hip Fracture	85	4.7	7.4	4.0	10.6	13.3	4.9	15.3	17.2	4.7
Sepsis	34	26.5	28.5	*	38.2	37.4	*	47.1	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.6	*	6.3	6.5	*	12.5	9.2	*
Carotid Endarterectomy	18	5.6	1.6	*	5.6	3.0	*	5.6	4.3	*
Hip Replacement/Reconstruction	38	2.6	5.0	*	7.9	9.4	*	13.2	12.7	*
Open Reduction of Hip Fracture	54	7.4	7.2	3.7	13.0	13.5	4.8	16.7	17.7	6.1
Prostatectomy	72	2.8	1.3	3.1	6.9	3.0	3.8	9.7	5.0	4.4
Cholecystectomy	67	4.5	3.0	2.4	7.5	5.1	4.0	9.0	6.4	5.8
Hysterectomy	14	7.1	0.7	*	7.1	1.4	*	7.1	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNION HOSPITAL

1000 Galloping Hill Rd
Union, NJ 07083

Medicare Provider Number: 310090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,718	8.7	9.8	1.0	14.7	14.7	2.0	19.0	18.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	47	31.9	31.5	*	40.4	34.2	*	40.4	37.2	*
Congestive Heart Failure	94	16.0	16.1	4.2	21.3	24.7	5.4	30.9	31.9	5.0
Pneumonia/Influenza	63	20.6	21.3	5.3	30.2	28.5	7.1	36.5	33.9	7.2
Chronic Obstructive Pulmonary Disease	19	0.0	7.2	*	15.8	12.3	*	21.1	16.9	*
Transient Cerebral Ischemia	38	2.6	1.9	*	7.9	4.2	*	7.9	6.8	*
Stroke	85	16.5	21.0	5.7	24.7	27.4	5.0	30.6	31.9	5.1
Hip Fracture	42	4.8	7.0	*	11.9	12.5	*	19.0	16.4	*
Sepsis	37	18.9	29.6	*	21.6	38.1	*	32.4	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	1.9	*	11.1	3.8	*	16.7	5.7	*
Carotid Endarterectomy	6	0.0	1.0	*	0.0	1.7	*	16.7	2.4	*
Hip Replacement/Reconstruction	23	4.3	4.1	*	8.7	7.6	*	13.0	10.1	*
Open Reduction of Hip Fracture	24	4.2	6.7	*	8.3	12.6	*	16.7	16.6	*
Prostatectomy	70	0.0	2.4	3.8	4.3	4.8	3.2	5.7	7.5	4.1
Cholecystectomy	31	0.0	2.9	*	0.0	5.4	*	3.2	7.3	*
Hysterectomy	6	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	201
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	161
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	33
Registered Nurses	133
Licensed Practical Nurses	41

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

UNION HOSPITAL

Medicare Provider Number: 310090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,802	9.6	10.3	0.9	15.0	15.1	1.0	19.2	19.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	69	37.7	35.7	7.9	43.5	39.0	9.1	47.8	42.8	10.3
Congestive Heart Failure	103	12.6	16.2	5.3	24.3	24.5	4.5	33.0	31.4	5.1
Pneumonia/Influenza	73	11.0	20.0	9.1	20.5	26.2	10.6	23.3	30.9	8.5
Chronic Obstructive Pulmonary Disease	31	3.2	11.1	*	3.2	17.8	*	12.9	23.4	*
Transient Cerebral Ischemia	34	2.9	2.3	*	8.8	5.1	*	8.8	8.2	*
Stroke	77	20.8	24.0	7.3	24.7	31.0	7.5	27.3	35.8	9.0
Hip Fracture	52	3.8	5.9	3.8	5.8	10.6	5.9	11.5	13.6	5.4
Sepsis	26	19.2	29.9	*	42.3	37.0	*	46.2	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	6.8	*	42.9	12.9	*	42.9	17.7	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	33	6.1	3.5	*	9.1	6.7	*	12.1	8.8	*
Open Reduction of Hip Fracture	24	0.0	5.1	*	4.2	9.5	*	12.5	12.3	*
Prostatectomy	75	0.0	1.1	1.8	1.3	2.7	2.2	2.7	4.5	2.8
Cholecystectomy	26	0.0	5.6	*	3.8	9.1	*	7.7	11.3	*
Hysterectomy	4	25.0	12.4	*	25.0	15.0	*	25.0	17.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,665	11.7	10.4	1.0	18.1	15.5	2.3	21.6	19.4	2.2
CONDITIONS:										
Acute Myocardial Infarction	63	33.3	33.9	6.1	41.3	37.5	6.5	41.3	40.9	7.0
Congestive Heart Failure	106	24.5	18.5	4.9	31.1	27.7	4.8	34.9	34.9	4.8
Pneumonia/Influenza	66	22.7	18.6	6.2	31.8	24.8	8.8	34.8	29.8	7.6
Chronic Obstructive Pulmonary Disease	31	6.5	13.0	*	25.8	21.1	*	29.0	27.0	*
Transient Cerebral Ischemia	47	0.0	2.3	*	4.3	4.9	*	6.4	7.7	*
Stroke	79	30.4	27.1	6.3	44.3	33.8	8.4	45.6	38.4	8.1
Hip Fracture	42	0.0	7.4	*	9.5	13.1	*	14.3	16.7	*
Sepsis	17	35.3	33.6	*	41.2	40.8	*	47.1	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	6.5	*	0.0	10.7	*	0.0	14.3	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	23	0.0	7.3	*	8.7	13.8	*	13.0	17.8	*
Open Reduction of Hip Fracture	23	0.0	6.8	*	13.0	12.4	*	17.4	16.0	*
Prostatectomy	74	0.0	1.7	2.7	6.8	3.9	3.3	6.8	6.3	2.9
Cholecystectomy	34	0.0	3.1	*	0.0	5.4	*	0.0	6.9	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

UNITED HOSPITALS OF NEWARK

15 S 9th St
Newark, NJ 07107

Medicare Provider Number: 310062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,251	8.6	10.1	1.1	15.7	15.8	1.6	20.9	20.2	2.4
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	25.9	*	45.5	29.1	*	45.5	32.4	*
Congestive Heart Failure	75	12.0	11.8	3.9	21.3	18.7	5.5	28.0	24.6	6.7
Pneumonia/Influenza	54	16.7	18.0	5.6	22.2	24.3	6.1	25.9	29.3	7.2
Chronic Obstructive Pulmonary Disease	43	4.7	9.5	*	14.0	15.8	*	20.9	20.9	*
Transient Cerebral Ischemia	61	0.0	2.2	*	1.6	5.0	*	1.6	8.0	*
Stroke	53	20.8	21.1	6.2	32.1	28.4	7.9	45.3	33.0	9.3
Hip Fracture	3	0.0	8.0	*	0.0	14.6	*	0.0	19.1	*
Sepsis	19	26.3	36.3	*	42.1	43.4	*	47.4	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.0	*	0.0	4.6	*	0.0	7.5	*
Carotid Endarterectomy	2	0.0	2.8	*	0.0	6.1	*	0.0	9.5	*
Hip Replacement/Reconstruction	4	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*
Open Reduction of Hip Fracture	2	0.0	6.2	*	0.0	10.8	*	0.0	13.5	*
Prostatectomy	20	0.0	1.7	*	0.0	4.4	*	0.0	7.7	*
Cholecystectomy	4	0.0	1.4	*	0.0	2.4	*	0.0	3.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 402
Occupancy Rate 79
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 234
Percent of Physicians Board Certified Specialists 62
Medical Residents/Interns 49
Registered Nurses 406
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

UNITED HOSPITALS OF NEWARK

Medicare Provider Number: 310062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,395	9.1	10.1	0.9	15.3	15.3	1.0	19.5	19.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	12	50.0	37.2	*	58.3	40.8	*	66.7	44.3	*
Congestive Heart Failure	70	17.1	14.8	5.7	24.3	22.7	5.8	32.9	29.2	6.9
Pneumonia/Influenza	42	21.4	19.6	*	28.6	25.9	*	31.0	30.6	*
Chronic Obstructive Pulmonary Disease	41	0.0	7.9	*	2.4	13.9	*	2.4	19.0	*
Transient Cerebral Ischemia	66	3.0	2.3	*	3.0	4.9	*	4.5	7.4	*
Stroke	52	9.6	22.3	9.0	13.5	29.1	9.8	23.1	33.9	9.0
Hip Fracture	15	0.0	5.3	*	6.7	9.6	*	6.7	12.5	*
Sepsis	52	26.9	36.6	7.9	42.3	46.0	7.1	50.0	52.6	7.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	4.0	*	40.0	7.8	*	40.0	11.5	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	7	0.0	2.8	*	14.3	5.0	*	14.3	6.6	*
Open Reduction of Hip Fracture	7	0.0	4.6	*	0.0	8.6	*	0.0	11.3	*
Prostatectomy	21	4.8	2.4	*	4.8	5.9	*	4.8	9.7	*
Cholecystectomy	8	0.0	5.1	*	12.5	9.9	*	12.5	13.0	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,380	7.7	8.4	1.0	14.8	13.2	3.0	19.3	17.1	3.5
CONDITIONS:										
Acute Myocardial Infarction	10	10.0	26.6	*	20.0	29.3	*	20.0	32.7	*
Congestive Heart Failure	58	19.0	13.6	7.3	24.1	20.8	8.6	31.0	27.0	8.8
Pneumonia/Influenza	58	15.5	19.6	6.3	31.0	26.5	7.3	37.9	32.0	9.1
Chronic Obstructive Pulmonary Disease	18	0.0	8.1	*	5.6	14.4	*	11.1	19.7	*
Transient Cerebral Ischemia	66	0.0	1.8	2.2	3.0	3.8	2.7	3.0	5.9	4.0
Stroke	51	21.6	18.9	7.5	31.4	24.7	11.5	35.3	28.9	12.1
Hip Fracture	8	12.5	5.2	*	50.0	10.1	*	62.5	13.9	*
Sepsis	50	20.0	27.1	*	44.0	36.5	*	46.0	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.7	*	25.0	8.0	*	25.0	11.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.5	*	0.0	4.6	*	0.0	6.2	*
Open Reduction of Hip Fracture	4	25.0	4.6	*	75.0	9.3	*	100.0	12.8	*
Prostatectomy	28	3.6	1.7	*	3.6	4.3	*	3.6	7.2	*
Cholecystectomy	6	0.0	1.9	*	0.0	3.5	*	0.0	4.8	*
Hysterectomy	4	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY HOSPITAL

100 Bergen St
Newark, NJ 07107

Medicare Provider Number: 310119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	6.6	7.0	4.2	11.3	11.2	4.8	15.8	14.6	4.4
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	28.9	*	28.6	32.4	*	28.6	35.7	*
Congestive Heart Failure	25	8.0	13.9	*	12.0	22.1	*	20.0	28.8	*
Pneumonia/Influenza	20	5.0	13.2	*	15.0	18.3	*	15.0	22.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.4	*	0.0	13.0	*	0.0	18.0	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	14	21.4	19.5	*	35.7	25.5	*	35.7	29.9	*
Hip Fracture	4	0.0	6.4	*	0.0	11.6	*	0.0	15.3	*
Sepsis	3	0.0	23.9	*	0.0	31.1	*	0.0	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.3	*	0.0	4.6	*	0.0	6.6	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	9.1	*	33.3	14.2	*
Open Reduction of Hip Fracture	2	0.0	7.5	*	0.0	14.0	*	0.0	18.7	*
Prostatectomy	11	0.0	1.4	*	0.0	3.8	*	0.0	6.7	*
Cholecystectomy	4	0.0	5.1	*	0.0	9.9	*	0.0	13.5	*
Hysterectomy	6	0.0	0.9	*	0.0	2.1	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	474
Occupancy Rate	83
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	477
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	225
Registered Nurses	571
Licensed Practical Nurses	89

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY HOSPITAL

Medicare Provider Number: 310119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	708	9.6	7.6	1.5	16.2	12.1	1.9	19.5	15.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	6	0.0	29.6	*	0.0	32.3	*	0.0	35.5	*
Congestive Heart Failure	19	0.0	12.9	*	15.8	20.2	*	15.8	26.6	*
Pneumonia/Influenza	20	25.0	13.7	*	30.0	18.8	*	30.0	23.1	*
Chronic Obstructive Pulmonary Disease	5	20.0	9.8	*	20.0	15.4	*	20.0	20.5	*
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	2.8	*	50.0	4.0	*
Stroke	19	10.5	15.9	*	15.8	21.9	*	15.8	25.9	*
Hip Fracture	8	0.0	6.5	*	12.5	11.9	*	12.5	15.4	*
Sepsis	4	25.0	26.2	*	25.0	32.5	*	25.0	37.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	60.0	10.7	*	80.0	15.5	*	80.0	20.5	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	2	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*
Open Reduction of Hip Fracture	4	0.0	3.6	*	0.0	6.8	*	0.0	9.1	*
Prostatectomy	13	0.0	1.6	*	7.7	3.9	*	15.4	6.4	*
Cholecystectomy	5	0.0	9.1	*	0.0	15.5	*	40.0	19.6	*
Hysterectomy	6	0.0	2.6	*	0.0	6.3	*	16.7	10.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	683	8.9	7.3	1.3	13.6	11.8	1.8	17.6	15.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	20.9	*	0.0	23.0	*	0.0	25.7	*
Congestive Heart Failure	18	16.7	13.0	*	22.2	19.6	*	33.3	25.4	*
Pneumonia/Influenza	17	17.6	12.4	*	17.6	16.4	*	29.4	19.8	*
Chronic Obstructive Pulmonary Disease	4	25.0	9.1	*	25.0	14.2	*	25.0	18.2	*
Transient Cerebral Ischemia	3	33.3	2.0	*	66.7	4.2	*	66.7	6.6	*
Stroke	10	20.0	20.1	*	40.0	26.5	*	40.0	30.9	*
Hip Fracture	0									
Sepsis	3	0.0	11.6	*	0.0	15.4	*	0.0	18.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.2	*	0.0	10.4	*	0.0	14.8	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	4.1	*	0.0	5.9	*
Hip Replacement/Reconstruction	2	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	2.5	*	0.0	6.3	*	0.0	10.6	*
Cholecystectomy	7	0.0	6.8	*	0.0	14.2	*	14.3	20.1	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

165.1

UMD NEW JERSEY

University of Medicine & Dentistry of New Jersey
University Hospital

150 Bergen Street
University Heights
Newark, New Jersey 07103-2406

January 10, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciated the opportunity to review HCFA's 1989 Mortality Data on University Hospital prior to its release to the general public.

Enclosed please find our response.

Should you have any questions, please do not hesitate to contact me or the Hospital's Associate Administrator responsible for Quality Assessment, Renia Harris-Hellams.

Sincerely,

Eric Munoz, MD, MBA, FACS
Medical Director

EM:bk
Enclosure

The University is an affirmative action/equal opportunity employer

UMD NEW JERSEY

University of Medicine & Dentistry of New Jersey

University Hospital

150 Bergen Street
University Heights
Newark, New Jersey 07103-2406

Hospital Provider ID- 310119

Once again, University Hospital's reaction to the 1989 Medicare Mortality data is unchanged from previous years.

The Hospital's patient population continues to be largely medically indigent patients who receive little or no primary care prior to hospitalization. In 1989, the Hospital's overall admission rate from the Emergency Room was greater than 70%.

The Hospital and the Medical Staff will continue, to the extent possible, to conduct peer review analysis of the Medicare Mortality data. It is also significant to note that the Medicare data does not adjust for the type of admission or patient severity upon admission.

The University is an affirmative action/equal opportunity employer

VALLEY HOSPITAL

Linwood N Van Dien Aves
Ridgewood, NJ 07450

Medicare Provider Number: 310012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,483	8.4	8.8	0.6	14.2	13.7	1.6	18.1	17.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	125	24.0	25.9	4.1	28.0	29.2	4.2	28.8	32.5	4.6
Congestive Heart Failure	255	12.5	15.5	3.1	23.1	24.1	2.9	31.8	31.1	3.1
Pneumonia/Influenza	185	18.9	17.1	4.7	27.0	23.3	5.5	31.9	28.1	6.3
Chronic Obstructive Pulmonary Disease	41	4.9	7.6	*	17.1	13.1	*	19.5	17.9	*
Transient Cerebral Ischemia	52	0.0	1.8	2.5	1.9	4.0	3.2	3.8	6.3	4.1
Stroke	164	23.2	21.2	5.5	29.3	27.9	4.8	33.5	32.4	4.0
Hip Fracture	128	3.1	5.9	3.2	9.4	10.9	3.7	12.5	14.5	4.2
Sepsis	61	23.0	27.1	7.1	29.5	34.3	7.3	42.6	40.3	6.5
PROCEDURES:										
Angioplasty	16	0.0	1.5	*	6.3	2.1	*	6.3	2.9	*
Coronary Artery Bypass Graft	58	1.7	4.7	4.5	3.4	6.7	5.6	6.9	8.0	6.5
Initial Pacemaker Insertion	76	0.0	3.7	4.1	1.3	7.3	6.1	5.3	10.7	5.7
Carotid Endarterectomy	13	0.0	1.1	*	0.0	1.8	*	7.7	2.6	*
Hip Replacement/Reconstruction	99	1.0	3.1	2.9	4.0	6.0	3.7	7.1	8.3	3.1
Open Reduction of Hip Fracture	48	0.0	5.7	*	8.3	10.9	*	8.3	14.5	*
Prostatectomy	185	0.5	1.2	2.2	3.2	2.9	1.5	4.9	4.8	1.6
Cholecystectomy	80	2.5	2.9	2.1	5.0	5.4	2.6	8.7	7.2	3.9
Hysterectomy	50	0.0	0.9	*	0.0	1.9	*	2.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 412
Occupancy Rate 95
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 418
Percent of Physicians Board Certified Specialists 84
Medical Residents/Interns 0
Registered Nurses 431
Licensed Practical Nurses 42

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

VALLEY HOSPITAL

Medicare Provider Number: 310012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,205	7.8	8.6	0.7	13.1	13.5	1.0	16.7	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	127	18.1	28.2	6.2	22.0	31.6	6.3	26.8	35.1	6.0
Congestive Heart Failure	229	14.4	16.6	3.0	24.5	25.4	3.1	34.5	32.5	3.5
Pneumonia/Influenza	146	9.6	15.1	5.9	15.8	20.5	6.6	20.5	24.8	6.0
Chronic Obstructive Pulmonary Disease	30	3.3	11.7	*	16.7	19.8	*	16.7	26.0	*
Transient Cerebral Ischemia	56	0.0	2.3	*	5.4	5.0	*	5.4	7.8	*
Stroke	157	22.3	20.6	3.3	28.0	27.8	3.9	29.3	32.7	4.4
Hip Fracture	124	7.3	6.1	2.4	11.3	11.4	2.9	15.3	14.9	3.3
Sepsis	35	28.6	28.9	*	31.4	36.3	*	31.4	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	74	2.7	3.8	2.3	6.8	6.8	4.0	6.8	9.7	5.0
Carotid Endarterectomy	19	5.3	1.5	*	5.3	2.6	*	10.5	3.8	*
Hip Replacement/Reconstruction	98	4.1	3.3	2.2	5.1	6.4	2.7	8.2	8.6	2.9
Open Reduction of Hip Fracture	55	5.5	5.8	3.2	12.7	11.3	4.8	14.5	15.0	5.4
Prostatectomy	193	1.6	1.2	1.1	2.6	2.9	1.7	5.2	4.9	1.6
Cholecystectomy	92	3.3	3.4	1.9	5.4	6.0	2.8	8.7	7.7	3.3
Hysterectomy	46	0.0	0.5	*	2.2	1.0	*	2.2	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,002	9.0	10.0	1.0	14.5	15.0	0.7	18.0	18.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	165	27.3	31.3	7.9	31.5	34.9	7.3	35.2	38.4	5.9
Congestive Heart Failure	207	17.4	17.9	2.8	23.7	26.7	4.2	30.4	33.8	5.5
Pneumonia/Influenza	126	15.1	19.2	4.0	28.6	25.7	4.1	31.0	30.8	4.1
Chronic Obstructive Pulmonary Disease	45	15.6	10.3	*	22.2	16.9	*	26.7	21.9	*
Transient Cerebral Ischemia	55	1.8	2.2	2.9	1.8	4.6	4.7	3.6	7.2	6.3
Stroke	168	23.8	22.0	4.2	33.3	28.8	6.1	39.3	33.3	7.4
Hip Fracture	125	5.6	7.0	2.6	14.4	12.8	3.4	15.2	16.7	3.8
Sepsis	30	16.7	28.9	*	26.7	36.4	*	33.3	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	63	7.9	5.3	3.7	11.1	9.2	4.2	12.7	12.6	4.7
Carotid Endarterectomy	17	0.0	1.6	*	0.0	2.8	*	11.8	4.0	*
Hip Replacement/Reconstruction	111	3.6	4.2	2.2	6.3	8.1	3.9	7.2	11.0	5.2
Open Reduction of Hip Fracture	49	8.2	6.2	*	18.4	12.0	*	20.4	16.0	*
Prostatectomy	181	0.6	1.5	1.3	1.7	3.6	2.3	3.9	5.8	3.0
Cholecystectomy	68	7.4	4.0	3.3	7.4	7.6	3.2	8.8	10.0	3.8
Hysterectomy	46	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WALLKILL VALLEY GENERAL HOSPITAL

20 Walnut St
Sussex, NJ 07461

Medicare Provider Number: 310120

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	705	10.1	7.8	1.0	13.6	11.9	2.4	17.0	15.3	4.1
CONDITIONS:										
Acute Myocardial Infarction	17	17.6	17.9	*	23.5	21.7	*	23.5	25.2	*
Congestive Heart Failure	38	15.8	17.6	*	26.3	27.7	*	31.6	35.4	*
Pneumonia/Influenza	33	21.2	14.7	*	21.2	20.0	*	21.2	24.4	*
Chronic Obstructive Pulmonary Disease	16	0.0	5.7	*	6.3	9.8	*	6.3	13.2	*
Transient Cerebral Ischemia	24	4.2	1.8	*	4.2	4.1	*	4.2	6.6	*
Stroke	30	36.7	21.4	*	40.0	27.4	*	46.7	31.6	*
Hip Fracture	12	25.0	7.2	*	25.0	12.6	*	25.0	16.3	*
Sepsis	4	50.0	32.9	*	75.0	39.6	*	75.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	28.6	4.3	*	28.6	7.8	*	28.6	10.2	*
Open Reduction of Hip Fracture	7	14.3	7.5	*	14.3	13.9	*	14.3	18.3	*
Prostatectomy	18	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	5	0.0	1.3	*	0.0	2.2	*	0.0	3.0	*
Hysterectomy	1	0.0	1.8	*	0.0	4.5	*	0.0	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	96
Occupancy Rate	66
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	57
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	30
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WALLKILL VALLEY GENERAL HOSPITAL

Medicare Provider Number: 310120

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	674	8.6	8.6	1.3	13.8	13.1	1.6	16.9	16.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	23	17.4	29.4	*	21.7	33.1	*	30.4	37.5	*
Congestive Heart Failure	42	9.5	15.8	*	28.6	23.8	*	35.7	30.6	*
Pneumonia/Influenza	41	19.5	14.4	*	24.4	19.3	*	26.8	23.5	*
Chronic Obstructive Pulmonary Disease	16	12.5	10.4	*	12.5	18.4	*	18.8	25.0	*
Transient Cerebral Ischemia	18	5.6	1.9	*	11.1	4.3	*	11.1	6.9	*
Stroke	25	24.0	21.7	*	36.0	28.0	*	40.0	32.7	*
Hip Fracture	20	5.0	6.8	*	5.0	12.2	*	10.0	15.8	*
Sepsis	5	20.0	24.5	*	40.0	34.4	*	60.0	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	8.0	*	100.0	13.5	*	100.0	18.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	5.9	*	0.0	11.2	*	0.0	14.6	*
Open Reduction of Hip Fracture	6	16.7	5.6	*	16.7	10.4	*	16.7	13.7	*
Prostatectomy	22	0.0	1.5	*	9.1	3.7	*	13.6	6.2	*
Cholecystectomy	9	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy	4	0.0	2.4	*	0.0	4.8	*	0.0	7.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	656	7.6	10.1	4.2	12.3	15.1	4.0	15.1	19.0	5.0
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	27.4	*	41.2	30.5	*	41.2	34.0	*
Congestive Heart Failure	41	7.3	15.3	*	14.6	23.5	*	22.0	30.3	*
Pneumonia/Influenza	33	9.1	16.2	*	15.2	21.9	*	21.2	26.7	*
Chronic Obstructive Pulmonary Disease	20	15.0	11.1	*	20.0	18.4	*	25.0	24.3	*
Transient Cerebral Ischemia	15	0.0	1.6	*	6.7	3.3	*	6.7	5.1	*
Stroke	27	14.8	21.6	*	18.5	27.4	*	25.9	32.0	*
Hip Fracture	12	16.7	8.8	*	16.7	14.6	*	16.7	18.6	*
Sepsis	8	25.0	28.9	*	37.5	36.2	*	37.5	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.0	*	0.0	5.9	*	0.0	9.0	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	5	0.0	6.3	*	20.0	11.9	*	20.0	15.5	*
Open Reduction of Hip Fracture	4	0.0	9.3	*	0.0	16.3	*	0.0	21.1	*
Prostatectomy	25	0.0	1.3	*	0.0	3.3	*	4.0	5.6	*
Cholecystectomy	9	0.0	2.1	*	11.1	3.7	*	11.1	4.9	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WARREN HOSPITAL

185 Roseberry St
Phillipsburg, NJ 08865

Medicare Provider Number: 310060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,934	8.5	8.2	0.8	13.8	12.9	1.8	16.8	16.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	25.6	*	24.3	28.9	*	32.4	32.3	*
Congestive Heart Failure	99	19.2	14.7	4.0	27.3	22.7	5.2	30.3	29.3	4.7
Pneumonia/Influenza	61	6.6	15.1	5.6	9.8	20.7	6.8	11.5	25.2	7.9
Chronic Obstructive Pulmonary Disease	57	10.5	8.0	4.2	15.8	13.7	4.9	21.1	18.5	5.9
Transient Cerebral Ischemia	45	4.4	1.8	*	4.4	4.1	*	6.7	6.7	*
Stroke	73	11.0	21.3	6.4	20.5	27.7	6.0	26.0	32.3	6.0
Hip Fracture	39	12.8	5.5	*	15.4	10.2	*	15.4	13.5	*
Sepsis	11	45.5	28.3	*	54.5	36.8	*	54.5	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	2.0	*	4.8	4.6	*	9.5	7.4	*
Carotid Endarterectomy	6	16.7	1.2	*	16.7	2.2	*	16.7	3.2	*
Hip Replacement/Reconstruction	9	0.0	3.8	*	0.0	7.4	*	0.0	10.1	*
Open Reduction of Hip Fracture	29	13.8	4.7	*	17.2	9.1	*	17.2	12.2	*
Prostatectomy	26	3.8	1.7	*	3.8	4.0	*	3.8	6.4	*
Cholecystectomy	50	6.0	2.7	*	6.0	4.5	*	8.0	5.8	*
Hysterectomy	13	0.0	2.7	*	0.0	5.1	*	0.0	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 214
Occupancy Rate 71
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 107
Percent of Physicians Board Certified Specialists 50
Medical Residents/Interns 18
Registered Nurses 158
Licensed Practical Nurses 56

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WARREN HOSPITAL

Medicare Provider Number: 310060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,883	8.9	8.5	0.7	14.0	13.2	1.1	16.8	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	28.2	*	35.3	31.5	*	35.3	35.0	*
Congestive Heart Failure	80	26.2	15.5	6.6	35.0	24.0	7.1	42.5	31.1	7.8
Pneumonia/Influenza	60	16.7	16.8	5.3	21.7	23.4	6.5	26.7	28.2	7.8
Chronic Obstructive Pulmonary Disease	56	6.9	7.9	4.3	16.1	14.7	7.0	17.9	20.2	8.0
Transient Cerebral Ischemia	59	0.0	1.9	3.3	5.1	4.1	3.4	10.2	6.4	4.6
Stroke	90	12.2	24.8	6.3	17.8	31.2	7.2	22.2	35.9	7.1
Hip Fracture	40	0.0	7.1	*	7.5	13.4	*	10.0	17.4	*
Sepsis	16	12.5	30.5	*	12.5	36.9	*	31.3	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	4.1	*	20.0	7.9	*	20.0	11.7	*
Carotid Endarterectomy	5	0.0	2.0	*	0.0	3.8	*	20.0	5.7	*
Hip Replacement/Reconstruction	12	0.0	6.1	*	0.0	13.3	*	0.0	19.4	*
Open Reduction of Hip Fracture	27	0.0	6.7	*	11.1	13.3	*	14.8	17.7	*
Prostatectomy	34	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Cholecystectomy	35	5.7	2.9	*	5.7	5.5	*	5.7	7.4	*
Hysterectomy	12	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,748	10.1	9.4	0.8	15.7	14.3	2.5	19.9	18.1	3.7
CONDITIONS:										
Acute Myocardial Infarction	53	26.4	30.7	9.8	30.2	33.5	8.5	34.0	36.6	7.1
Congestive Heart Failure	81	24.7	18.5	6.2	30.9	27.3	5.4	35.8	34.2	5.4
Pneumonia/Influenza	70	14.3	18.7	5.9	25.7	24.9	5.4	31.4	29.8	6.3
Chronic Obstructive Pulmonary Disease	56	10.7	12.0	5.2	23.2	20.3	5.9	25.0	26.5	7.5
Transient Cerebral Ischemia	57	0.0	2.1	2.6	3.5	4.5	3.0	7.0	7.1	3.4
Stroke	58	25.9	24.4	7.3	39.7	30.7	9.0	43.1	35.4	9.8
Hip Fracture	40	7.5	6.5	*	10.0	11.5	*	15.0	14.9	*
Sepsis	10	0.0	21.4	*	10.0	26.4	*	10.0	31.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.2	*	7.1	6.8	*	7.1	10.3	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	10	10.0	5.3	*	10.0	10.8	*	10.0	14.8	*
Open Reduction of Hip Fracture	30	6.7	6.0	*	10.0	11.4	*	16.7	15.0	*
Prostatectomy	36	0.0	0.8	*	2.8	2.0	*	2.8	3.3	*
Cholecystectomy	41	4.9	3.6	*	12.2	6.2	*	12.2	8.2	*
Hysterectomy	15	0.0	1.6	*	6.7	2.9	*	6.7	3.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WAYNE GENERAL HOSPITAL

224 Hamburg Tnpke
Wayne, NJ 07470

Medicare Provider Number: 310116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,076	14.4	10.6	2.9	21.9	16.3	4.3	26.6	20.7	4.2
CONDITIONS:										
Acute Myocardial Infarction	40	40.0	31.7	*	42.5	34.6	*	45.0	38.2	*
Congestive Heart Failure	118	17.8	15.3	5.4	26.3	23.7	7.2	35.6	30.7	7.9
Pneumonia/Influenza	150	28.0	21.1	4.5	38.7	28.6	5.9	45.3	34.0	6.0
Chronic Obstructive Pulmonary Disease	39	2.6	8.9	*	10.3	15.3	*	20.5	20.8	*
Transient Cerebral Ischemia	47	2.1	1.9	*	10.6	4.2	*	12.8	6.8	*
Stroke	94	30.9	19.4	7.3	40.4	26.1	6.0	43.6	30.5	6.3
Hip Fracture	70	5.7	6.8	3.7	12.9	12.2	5.0	17.1	15.9	5.0
Sepsis	31	35.5	29.8	*	54.8	37.1	*	61.3	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.1	*	0.0	7.3	*	0.0	10.1	*
Carotid Endarterectomy	1	0.0	3.4	*	0.0	7.1	*	0.0	9.9	*
Hip Replacement/Reconstruction	35	2.9	4.3	*	8.6	8.1	*	11.4	10.9	*
Open Reduction of Hip Fracture	37	10.8	6.1	*	13.5	11.2	*	16.2	14.5	*
Prostatectomy	77	2.6	1.1	1.6	6.5	2.7	2.7	10.4	4.6	3.6
Cholecystectomy	44	6.8	3.8	*	11.4	6.8	*	15.9	8.8	*
Hysterectomy	5	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 212
Occupancy Rate 90
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 180
Percent of Physicians Board Certified Specialists 75
Medical Residents/Interns 0
Registered Nurses 210
Licensed Practical Nurses 50

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WAYNE GENERAL HOSPITAL

Medicare Provider Number: 310116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,145	11.9	10.3	0.8	19.7	15.4	1.6	23.2	19.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	49	38.8	30.0	*	42.9	33.1	*	42.9	36.6	*
Congestive Heart Failure	132	16.7	15.3	4.6	25.0	23.3	4.2	32.6	29.9	4.7
Pneumonia/Influenza	133	24.8	19.6	5.0	35.3	26.1	6.9	39.1	31.1	6.4
Chronic Obstructive Pulmonary Disease	28	14.3	10.5	*	14.3	17.5	*	14.3	22.9	*
Transient Cerebral Ischemia	54	1.9	2.4	2.9	7.4	5.4	4.1	9.3	8.5	4.6
Stroke	88	21.6	22.6	5.1	35.2	29.4	6.5	42.0	34.0	8.4
Hip Fracture	63	12.7	7.8	4.9	27.0	14.0	6.9	30.2	17.9	7.5
Sepsis	27	55.6	39.6	*	74.1	47.1	*	74.1	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.7	*	0.0	7.4	*	10.0	10.8	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	33	6.1	4.2	*	12.1	7.6	*	15.2	9.8	*
Open Reduction of Hip Fracture	40	15.0	7.0	*	32.5	13.2	*	35.0	17.2	*
Prostatectomy	105	2.9	1.1	1.8	4.8	2.7	2.3	5.7	4.6	2.3
Cholecystectomy	54	3.7	3.4	3.2	5.6	5.1	3.7	7.4	6.1	4.1
Hysterectomy	12	0.0	2.4	*	0.0	4.9	*	0.0	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,046	11.8	10.2	0.9	19.0	15.3	3.1	23.6	19.4	4.0
CONDITIONS:										
Acute Myocardial Infarction	71	33.8	30.5	6.1	33.8	33.7	6.2	39.4	37.2	6.1
Congestive Heart Failure	127	24.4	16.1	5.2	35.4	24.2	5.7	42.5	31.0	6.2
Pneumonia/Influenza	125	16.8	18.8	3.6	26.4	25.1	4.2	36.8	30.1	5.4
Chronic Obstructive Pulmonary Disease	15	13.3	14.7	*	26.7	23.6	*	40.0	30.2	*
Transient Cerebral Ischemia	56	5.4	2.1	3.8	8.9	4.5	6.2	10.7	7.3	5.9
Stroke	92	27.2	22.6	6.3	42.4	29.6	7.7	45.7	34.2	7.4
Hip Fracture	59	5.1	7.1	3.7	16.9	12.8	4.8	27.1	16.5	7.2
Sepsis	22	40.9	36.0	*	59.1	44.7	*	59.1	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	3.3	*	0.0	6.1	*	10.0	9.0	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	26	3.8	5.0	*	7.7	9.8	*	11.5	13.2	*
Open Reduction of Hip Fracture	39	7.7	6.2	*	20.5	11.8	*	33.3	15.4	*
Prostatectomy	119	0.0	1.2	1.4	3.4	3.0	2.1	5.0	5.0	2.6
Cholecystectomy	47	6.4	2.2	*	8.5	4.0	*	8.5	5.3	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WAYNE
GENERAL
HOSPITAL

Comments Concerning 1989 Medicare Mortality Data
January 7, 1991
Hospital #310116

While Wayne General Hospital is supportive of Health Care Financing Administration's (HCFA) efforts to quantify the quality of health care delivery in our nation's hospitals, we find two major flaws in the methodology.

Firstly, the data are presented in such a way that they are misleading and require manipulation by those versed in statistical analysis before they can be addressed. Therefore, publication of these data in their present form serves only to confuse the public and to compel hospital staff to spend many hours in interpretation.

Secondly, there is little value in comparisons of mortality rates which result from the natural outcome of disease processes. In the elderly, multi-system breakdown presents too many variables to quantify and compare under any specific disease entity.

The data, <u>if presented in an understandable format</u> and if it addressed mortality associated with high-risk procedures, would be of value to the public and to hospitals. With such information, those needing a high-risk procedure could choose to have it performed in a hospital with a good record for outcome. Those hospitals which did not compare favorably could use that information to re-evaluate their programs and procedures.

As to the Medicare Mortality Data for 1989, we have reviewed your statistics for Wayne General Hospital in respect to the observed mortality rate compared with the predicted mortality rate.

Applying your methodology for evaluation of the statistics, we were pleased to note that our outcome for mortality compares favorably with national statistics.

The one area which did not meet the 95% confidence level was that of "stroke" at 90 days and 180 days after admission (1989). These patients were identified and their medical records thoroughly investigated. Six patients expired in the 30 to 90 day period after admission and four patients expired in the 90 to 180 day period after admission.

224 Hamburg Turnpike Wayne, New Jersey 07470 201 942-6900

Hospital #310116

The following comments can be made:

All of these patients suffered from multiple system disease and/or had a history of previous strokes, other life-threatening problems, or serious co-morbidities.

These patients were all treated aggressively with all medical issues thoroughly addressed. Consultations were obtained as appropriate.

Only one physician attended more than one of these patients. In both cases, the "strokes" were noted to be large and neither patient was expected to survive.

Only one patient was discharged to home. There was documented follow-up by Visiting Nurses and by a private physician. No two patients were discharged to the same nursing home.

In summary, we found no deviation from appropriate care after intensive review of the medical records. There were no patterns or trends to address. These were all patients with poor prognosis who probably survived the initial thirty days of hospitalization only because of aggressive treatment.

In any event, we are pleased that the opportunity was provided to address HCFA's mortality statistics and include them, with the results of our investigation, in the Quality Assurance Program at Wayne General Hospital.

As previously stated, Wayne General Hospital conducts an extensive Quality Assurance Program which seeks to identify potential patient care concerns and resolve them before they negatively affect patient care. As part of this process, all clinical departments monitor the quality of their care and report to the Quality Assurance Committee. Each death occurring in the hospital is reviewed and any unexpected death is subjected to a full review by the appropriate medical department. This ongoing mortality review is only one small aspect of the overall Quality Assurance Program at Wayne General Hospital.

Inquiries regarding information submitted may be directed to Carol Roberts, Director of Quality Assessment (201) 956-3389.

WEST HUDSON HOSPITAL

206 Bergen Ave
Kearny, NJ 07032

Medicare Provider Number: 310042

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,668	9.2	8.6	2.1	14.3	13.4	2.4	18.1	17.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	52	34.6	25.7	8.5	38.5	29.2	8.1	38.5	32.8	7.3
Congestive Heart Failure	85	16.5	13.4	4.7	25.9	21.4	5.3	30.6	28.0	5.5
Pneumonia/Influenza	59	8.5	16.2	6.4	10.2	22.1	7.8	15.3	27.0	8.2
Chronic Obstructive Pulmonary Disease	44	9.1	7.5	*	13.6	12.9	*	18.2	17.8	*
Transient Cerebral Ischemia	84	1.2	1.8	1.8	4.8	4.1	2.5	7.1	6.5	2.8
Stroke	42	23.8	18.3	*	31.0	24.7	*	40.5	29.2	*
Hip Fracture	36	11.1	6.8	*	22.2	11.8	*	25.0	15.1	*
Sepsis	12	41.7	31.0	*	50.0	39.8	*	50.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.3	*	6.3	6.7	*	12.5	10.0	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.6	*	0.0	5.2	*
Hip Replacement/Reconstruction	21	9.5	3.2	*	9.5	6.1	*	9.5	8.2	*
Open Reduction of Hip Fracture	26	7.7	6.4	*	23.1	11.7	*	26.9	15.2	*
Prostatectomy	66	3.0	1.5	2.1	4.5	3.5	3.0	6.1	5.6	3.5
Cholecystectomy	35	5.7	5.0	*	5.7	8.9	*	5.7	11.2	*
Hysterectomy	4	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1988

Total Beds 214
Occupancy Rate 81
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 93
Percent of Physicians Board Certified Specialists 77
Medical Residents/Interns 0
Registered Nurses 113
Licensed Practical Nurses 41

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... No
Comprehensive Geriatric ..... No
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

WEST HUDSON HOSPITAL

Medicare Provider Number: 310042

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,693	10.3	8.8	1.0	14.5	13.5	1.0	18.2	17.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	38.8	28.2	*	40.8	31.0	*	40.8	34.2	*
Congestive Heart Failure	108	19.4	14.9	5.6	27.8	23.1	6.5	36.1	29.9	7.9
Pneumonia/Influenza	55	12.7	15.1	6.7	16.4	20.2	9.1	18.2	24.5	10.7
Chronic Obstructive Pulmonary Disease	38	13.2	9.5	*	15.8	15.5	*	21.1	20.4	*
Transient Cerebral Ischemia	61	3.3	2.3	2.2	8.2	5.0	4.1	9.8	8.0	4.3
Stroke	63	20.6	19.3	7.7	28.6	24.9	7.5	31.7	29.2	7.2
Hip Fracture	35	5.7	6.1	*	8.6	10.7	*	11.4	13.6	*
Sepsis	12	41.7	28.2	*	41.7	35.8	*	58.3	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	9.2	*	37.5	14.9	*	37.5	18.5	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.1	*	0.0	2.9	*
Hip Replacement/Reconstruction	22	0.0	4.0	*	0.0	7.5	*	0.0	10.0	*
Open Reduction of Hip Fracture	16	6.3	6.2	*	12.5	11.3	*	18.8	14.7	*
Prostatectomy	73	0.0	1.6	2.4	1.4	3.8	4.5	6.8	6.1	4.6
Cholecystectomy	23	0.0	4.4	*	4.3	8.5	*	8.7	11.4	*
Hysterectomy	5	0.0	0.8	*	0.0	1.4	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,642	9.3	8.0	2.6	13.5	12.7	1.4	17.2	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	46	37.0	26.5	*	41.3	29.4	*	47.8	32.6	*
Congestive Heart Failure	119	14.3	12.6	3.3	25.2	19.5	5.7	31.1	25.9	5.3
Pneumonia/Influenza	51	17.6	16.4	5.7	19.6	22.6	6.6	25.5	27.7	8.0
Chronic Obstructive Pulmonary Disease	36	5.6	8.8	*	11.1	15.6	*	16.7	20.8	*
Transient Cerebral Ischemia	100	2.0	1.8	1.5	5.0	3.9	2.1	8.0	6.2	3.4
Stroke	67	25.4	18.1	10.3	31.3	24.4	12.1	35.8	28.9	10.8
Hip Fracture	27	7.4	6.5	*	7.4	11.8	*	22.2	15.5	*
Sepsis	20	25.0	20.2	*	40.0	29.1	*	40.0	35.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	2.2	*	0.0	5.0	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	4.7	*	10.0	8.9	*	10.0	11.9	*
Open Reduction of Hip Fracture	20	10.0	5.8	*	10.0	11.0	*	30.0	14.8	*
Prostatectomy	66	1.5	1.8	2.6	6.1	4.4	3.1	7.6	7.2	3.2
Cholecystectomy	20	5.0	4.6	*	10.0	8.0	*	10.0	9.8	*
Hysterectomy	7	14.3	3.4	*	14.3	8.0	*	28.6	12.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEST JERSEY HOSPITAL-COMBINED DIVISIONS

Mt Ephraim & Atlantic Aves
Camden, NJ 08104

Medicare Provider Number: 310022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,542	9.7	8.7	0.6	15.4	13.3	1.4	19.3	17.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	175	23.4	26.5	5.1	29.7	29.6	4.9	32.6	32.8	3.6
Congestive Heart Failure	351	13.7	14.9	2.0	22.2	23.2	2.3	31.3	29.9	2.5
Pneumonia/Influenza	246	17.9	16.7	3.6	25.2	22.7	5.0	30.5	27.4	6.7
Chronic Obstructive Pulmonary Disease	86	8.1	11.3	5.0	16.3	18.4	6.2	19.8	24.4	7.7
Transient Cerebral Ischemia	188	2.7	2.0	1.4	4.8	4.3	3.0	9.0	6.9	3.6
Stroke	233	21.5	19.0	2.7	30.9	25.3	3.6	31.8	29.5	3.1
Hip Fracture	147	6.8	7.1	2.3	11.6	12.4	2.8	16.3	15.9	3.2
Sepsis	82	30.5	28.1	5.9	41.5	35.8	8.3	48.8	41.4	8.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	51	2.0	2.7	2.4	3.9	5.5	3.4	5.9	8.0	4.2
Carotid Endarterectomy	44	6.8	1.5	*	11.4	2.8	*	15.9	4.2	*
Hip Replacement/Reconstruction	80	2.5	2.9	2.5	7.5	5.4	3.5	10.0	7.2	5.3
Open Reduction of Hip Fracture	88	8.0	6.8	3.5	9.1	12.4	4.5	14.8	16.0	4.2
Prostatectomy	196	1.5	0.8	1.2	3.1	1.9	1.5	3.6	3.2	1.4
Cholecystectomy	111	5.4	3.2	2.4	9.0	5.6	2.9	10.8	7.2	3.2
Hysterectomy	38	0.0	0.8	*	2.6	1.9	*	5.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 657
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 21
Registered Nurses 822
Licensed Practical Nurses 174

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

WEST JERSEY HOSPITAL-COMBINED DIVISIONS

Medicare Provider Number: 310022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,495	9.3	8.9	0.5	14.6	13.6	0.7	18.1	17.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	215	27.0	28.3	3.6	32.6	31.4	3.4	34.0	34.8	3.5
Congestive Heart Failure	377	15.4	15.6	2.2	23.6	23.4	2.2	29.2	30.0	2.7
Pneumonia/Influenza	201	21.4	17.0	4.1	26.4	23.0	3.7	29.9	27.6	4.1
Chronic Obstructive Pulmonary Disease	60	8.3	10.8	4.3	11.7	17.5	5.9	20.0	23.1	5.7
Transient Cerebral Ischemia	178	2.2	2.1	2.5	7.3	4.6	3.6	10.1	7.3	4.4
Stroke	225	26.7	21.0	4.6	32.4	27.9	4.6	37.3	32.4	5.9
Hip Fracture	139	6.5	6.7	2.1	13.7	12.1	3.1	15.8	15.4	3.1
Sepsis	60	28.3	30.1	10.0	45.0	38.5	7.5	46.7	44.6	6.5
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	39	15.4	8.5	*	25.6	12.8	*	28.2	16.5	*
Carotid Endarterectomy	35	5.7	1.4	*	8.6	2.6	*	8.6	3.8	*
Hip Replacement/Reconstruction	82	4.9	4.0	2.4	8.5	7.3	3.0	8.5	9.7	3.5
Open Reduction of Hip Fracture	82	2.4	6.2	4.4	9.8	11.4	5.0	13.4	14.6	4.2
Prostatectomy	190	0.0	1.0	1.1	2.1	2.3	1.1	3.7	3.7	1.4
Cholecystectomy	103	1.0	2.8	2.0	4.9	5.1	3.1	4.9	6.8	2.8
Hysterectomy	53	0.0	0.5	1.4	0.0	1.2	3.0	3.8	1.8	2.5

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,835	9.1	8.6	1.5	15.1	13.3	3.5	18.5	17.0	3.7
CONDITIONS:										
Acute Myocardial Infarction	156	28.2	29.2	3.8	32.7	32.5	4.3	34.0	35.9	4.4
Congestive Heart Failure	351	15.7	17.5	2.5	27.1	26.1	2.5	35.6	33.0	2.9
Pneumonia/Influenza	179	22.3	16.9	4.1	25.7	22.7	3.6	29.1	27.4	3.6
Chronic Obstructive Pulmonary Disease	69	15.9	10.4	7.1	18.8	17.2	8.4	27.5	22.6	8.4
Transient Cerebral Ischemia	183	1.6	2.1	1.8	5.5	4.5	1.8	6.6	7.1	2.1
Stroke	191	21.5	21.3	3.6	33.0	28.7	5.3	36.6	33.2	5.6
Hip Fracture	140	7.1	7.1	2.4	17.9	12.8	3.5	22.1	16.5	4.4
Sepsis	47	29.8	31.8	*	42.6	40.3	*	51.1	46.8	*
PROCEDURES:										
Angioplasty	2	0.0	1.8	*	0.0	3.4	*	0.0	5.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	63	11.1	5.4	4.6	15.9	9.8	5.7	20.6	13.5	5.8
Carotid Endarterectomy	46	2.2	1.6	*	4.3	2.9	*	4.3	4.2	*
Hip Replacement/Reconstruction	71	5.6	3.3	2.6	9.9	6.3	4.0	12.7	8.3	5.6
Open Reduction of Hip Fracture	80	7.5	6.6	3.6	20.0	12.4	5.1	25.0	16.2	6.4
Prostatectomy	153	0.7	1.3	1.6	3.9	3.0	1.6	5.2	5.0	1.8
Cholecystectomy	109	5.5	3.5	3.1	10.1	6.3	4.7	11.0	8.1	5.7
Hysterectomy	44	0.0	0.9	*	0.0	2.0	*	2.3	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

This page is intentionally blank.

West Jersey Health System

Thomas H. Litz
Senior Vice President
For Hospital Affairs

CORPORATE OFFICES
January 14, 1991

MEDICARE PROVIDER NO: 310022

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Ms. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

We appreciate the opportunity to comment on the information regarding mortality rates of Medicare patients admitted to our four hospitals and request that any information released to the public include the following comments.

Our analysis of the detailed information provided on individual patients indicates that discrepancies exist particularly in the total numbers of patients. Our records show that for fiscal year 1988 we treated 7,544 Medicare patients whereas your report shows a total of 6,542. Correspondingly, the number of cases in the individual diagnostic or procedure categories differs. For instance, our records show a total of 63 Medicare patients undergoing carotid endarterectomy procedures during this time period versus the 44 cases on your report. Discrepancies at this level obviously have an impact on the interpretation of the data, since they could significantly change the observed percentage.

We would also like to note that in the hospital characteristics section, the correct number of beds for our health system is 763 rather than 254.

We caution the public, press and policy-makers against making the assumption that death rates alone can be used to measure the quality of care provided in hospitals. The use of long-term death rates may be a valuable tool in studying certain disease entities, but it should be understood that deaths occurring post discharge may not be attributable to the quality of care received in the hospital.

West Jersey Health System will continue to incorporate these statistics into our ongoing quality assurance program. Although our observed mortality rates are all within the 95 percent confidence range, we will closely review those areas where we have concerns. Only peer review of the actual care provided can indicate whether there is a problem with the process of care.

Sincerely,

Thomas H. Litz, FACHE

SER/ker

WILLIAM B KESSLER MEMORIAL HOSPITAL

White Horse Pike at Central Ave
Hammonton, NJ 08037

Medicare Provider Number: 310088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	976	9.0	8.6	0.9	13.8	13.7	1.1	18.6	17.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	20	10.0	23.8	*	15.0	27.3	*	20.0	30.7	*
Congestive Heart Failure	71	4.2	17.4	6.3	11.3	27.4	7.6	25.4	35.1	6.8
Pneumonia/Influenza	33	21.2	16.1	*	30.3	21.8	*	33.3	26.5	*
Chronic Obstructive Pulmonary Disease	21	9.5	4.5	*	14.3	8.9	*	14.3	13.0	*
Transient Cerebral Ischemia	27	0.0	1.4	*	0.0	3.2	*	3.7	5.1	*
Stroke	29	20.7	19.2	*	24.1	25.8	*	31.0	30.0	*
Hip Fracture	25	12.0	7.8	*	12.0	13.5	*	12.0	17.2	*
Sepsis	5	40.0	25.5	*	40.0	35.1	*	40.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.5	*	25.0	10.6	*	25.0	14.7	*
Carotid Endarterectomy	3	0.0	2.0	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	5	0.0	5.5	*	0.0	10.3	*	0.0	13.5	*
Open Reduction of Hip Fracture	22	13.6	6.8	*	13.6	12.4	*	13.6	16.0	*
Prostatectomy	30	0.0	1.0	*	0.0	2.4	*	0.0	4.1	*
Cholecystectomy	15	0.0	2.1	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	130
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	111
Percent of Physicians Board Certified Specialists	43
Medical Residents/Interns	0
Registered Nurses	109
Licensed Practical Nurses	37

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILLIAM B KESSLER MEMORIAL HOSPITAL

Medicare Provider Number: 310088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,054	8.4	8.5	1.9	13.5	13.3	1.7	17.5	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	32	25.0	25.3	*	28.1	28.6	*	31.3	32.0	*
Congestive Heart Failure	92	10.9	16.8	4.8	17.4	25.8	6.3	21.7	33.0	7.5
Pneumonia/Influenza	39	23.1	19.9	*	30.8	26.6	*	35.9	31.6	*
Chronic Obstructive Pulmonary Disease	21	4.8	5.4	*	19.0	9.8	*	23.8	13.6	*
Transient Cerebral Ischemia	34	2.9	1.8	*	2.9	4.0	*	5.9	6.5	*
Stroke	38	23.7	22.8	*	34.2	29.7	*	34.2	34.3	*
Hip Fracture	18	22.2	6.5	*	27.8	11.6	*	27.8	14.8	*
Sepsis	11	27.3	25.6	*	27.3	34.1	*	36.4	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.0	*	0.0	9.5	*	8.3	13.3	*
Carotid Endarterectomy	3	33.3	1.5	*	33.3	2.5	*	33.3	3.5	*
Hip Replacement/Reconstruction	12	16.7	4.7	*	33.3	8.9	*	33.3	11.5	*
Open Reduction of Hip Fracture	10	20.0	5.6	*	30.0	10.5	*	30.0	13.8	*
Prostatectomy	42	4.8	0.9	*	4.8	2.1	*	7.1	3.6	*
Cholecystectomy	17	0.0	1.6	*	0.0	2.8	*	5.9	3.6	*
Hysterectomy	1	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,031	8.1	9.2	1.2	13.9	14.0	2.2	17.9	17.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	44	9.1	25.2	*	13.6	29.3	*	18.2	32.9	*
Congestive Heart Failure	91	12.1	18.6	5.9	19.8	27.8	6.8	30.8	35.0	5.8
Pneumonia/Influenza	31	25.8	19.6	*	35.5	26.7	*	41.9	32.0	*
Chronic Obstructive Pulmonary Disease	20	0.0	5.7	*	5.0	11.9	*	10.0	17.0	*
Transient Cerebral Ischemia	29	3.4	1.9	*	6.9	4.1	*	6.9	6.6	*
Stroke	35	22.9	21.1	*	28.6	28.6	*	31.4	33.2	*
Hip Fracture	16	12.5	4.2	*	12.5	7.8	*	12.5	10.3	*
Sepsis	12	41.7	29.9	*	58.3	39.3	*	75.0	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.7	*	0.0	7.1	*	0.0	10.0	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	5	0.0	4.1	*	0.0	7.8	*	0.0	10.2	*
Open Reduction of Hip Fracture	9	11.1	3.2	*	11.1	6.2	*	11.1	8.3	*
Prostatectomy	45	0.0	0.8	*	4.4	1.8	*	4.4	3.0	*
Cholecystectomy	27	0.0	2.2	*	0.0	3.6	*	0.0	4.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ZURBRUGG MEM HOSPITAL- RANCOCAS VALLEY

Sunset Rd
Willingboro, NJ 08046

Medicare Provider Number: 310061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,591	8.5	9.3	1.4	14.0	14.6	1.1	18.5	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	20.9	28.6	*	27.9	32.0	*	32.6	35.4	*
Congestive Heart Failure	116	14.7	17.0	4.1	20.7	26.9	6.3	28.4	34.7	6.6
Pneumonia/Influenza	57	17.5	16.9	5.0	22.8	22.8	6.3	29.8	27.4	8.2
Chronic Obstructive Pulmonary Disease	20	10.0	8.4	*	15.0	13.8	*	25.0	18.7	*
Transient Cerebral Ischemia	37	0.0	1.8	*	2.7	3.9	*	2.7	6.2	*
Stroke	68	19.1	19.7	5.3	23.5	25.6	5.6	26.5	29.8	6.9
Hip Fracture	28	3.6	7.0	*	21.4	12.0	*	21.4	15.2	*
Sepsis	17	29.4	20.7	*	41.2	28.2	*	41.2	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	9.7	*	0.0	14.7	*	25.0	17.5	*
Carotid Endarterectomy	3	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	13	0.0	3.3	*	15.4	6.2	*	15.4	8.3	*
Open Reduction of Hip Fracture	17	5.9	7.2	*	23.5	12.6	*	23.5	15.9	*
Prostatectomy	30	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	16	0.0	3.8	*	6.3	6.4	*	12.5	8.2	*
Hysterectomy	14	0.0	0.5	*	7.1	1.1	*	7.1	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 286
Occupancy Rate 77
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 210
Percent of Physicians Board Certified Specialists 64
Medical Residents/Interns 0
Registered Nurses 190
Licensed Practical Nurses 52

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... No
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ZURBRUGG MEM HOSPITAL- RANCOCAS VALLEY

Medicare Provider Number: 310061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,547	8.7	9.5	1.0	14.5	14.7	0.9	18.4	18.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	24.4	25.2	*	28.9	28.6	*	31.1	32.2	*
Congestive Heart Failure	118	15.3	16.7	4.0	26.3	26.1	4.1	31.4	33.5	5.2
Pneumonia/Influenza	55	23.6	18.4	9.9	30.9	24.9	8.4	34.5	30.0	8.0
Chronic Obstructive Pulmonary Disease	26	19.2	13.0	*	19.2	19.0	*	26.9	24.4	*
Transient Cerebral Ischemia	43	2.3	1.5	*	9.3	3.4	*	14.0	5.4	*
Stroke	67	13.4	23.6	7.0	29.9	30.3	5.9	35.8	35.1	5.9
Hip Fracture	25	12.0	8.6	*	20.0	15.3	*	36.0	19.7	*
Sepsis	15	6.7	29.1	*	13.3	37.3	*	26.7	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	5.3	*	50.0	10.4	*	50.0	14.7	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	7	0.0	1.5	*	0.0	2.9	*	14.3	3.9	*
Open Reduction of Hip Fracture	20	10.0	8.1	*	20.0	15.0	*	30.0	19.6	*
Prostatectomy	32	0.0	1.3	*	3.1	3.1	*	3.1	5.0	*
Cholecystectomy	17	0.0	1.7	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	12	0.0	1.5	*	8.3	3.2	*	8.3	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,412	8.1	10.2	1.2	14.0	15.5	1.1	19.3	19.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	27.1	*	28.2	30.5	*	33.3	34.0	*
Congestive Heart Failure	102	11.8	15.5	4.3	23.5	23.7	4.2	34.3	30.4	5.1
Pneumonia/Influenza	35	17.1	16.3	*	25.7	22.0	*	28.6	26.6	*
Chronic Obstructive Pulmonary Disease	30	6.7	12.7	*	16.7	21.5	*	16.7	28.1	*
Transient Cerebral Ischemia	44	4.5	2.4	*	6.8	5.3	*	13.6	8.4	*
Stroke	67	16.4	21.7	5.7	28.4	28.7	5.6	32.8	33.3	6.0
Hip Fracture	23	8.7	8.0	*	17.4	14.2	*	21.7	18.3	*
Sepsis	20	15.0	32.9	*	40.0	41.5	*	45.0	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	6.1	*	11.1	12.4	*	22.2	17.7	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	9	0.0	4.3	*	11.1	7.9	*	11.1	10.3	*
Open Reduction of Hip Fracture	11	9.1	6.8	*	27.3	12.9	*	36.4	17.1	*
Prostatectomy	38	0.0	1.0	*	0.0	2.4	*	2.6	4.1	*
Cholecystectomy	19	5.3	4.1	*	5.3	7.5	*	5.3	9.8	*
Hysterectomy	14	0.0	1.2	*	7.1	3.0	*	7.1	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

181.1

RANCOCAS HOSPITAL

Sunset Road
Willingboro, NJ 08046
609 835 2900

January 15, 1991

Re: Provider # 310061
HCFA Mortality Report

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Zurbrugg Memorial Hospital, Rancocas Division again welcomes the opportunity to review the HCFA selected mortality statistics for fiscal year 1989. Below are our comments concerning this complex data:

- A comprehensive quality assurance program has been in place at Rancocas Hospital for many years and recently received the approval of the Joint Commission on Accreditation of Healthcare Organizations (JCAHO). Our program begins with physician chart review based on predetermined indicators including mortality. Results are presented to and action is taken by the medical departments, a hospital wide quality assurance committee, and our board of directors.

- Where standard deviations were provided enabling the calculation of an expected range of mortality our observed rates fell not only within the range but in almost every case below the predicted mortality rate. Where no standard deviation was provided by HCFA because of a small sample size it is impossible to calculate a range. Mortality rates for these conditions and procedures are meaningless when based on only one, two, or three deaths. We question why HCFA would release such incomplete data and recommend instead that sample sizes be increased to a point where a standard deviation and a meaningful range can be calculated.

RANCOCAS HOSPITAL

Sunset Road
Willingboro, NJ 08046
609 835 2900

Re: Provider # 310061

- Many of the patients included in this study expired 90 to 180 days following hospitalization rather than during acute inpatient hospital care. Because they expired after discharge we question the impact of the patients post hospital care on the resulting mortality. Are home care services, skilled nursing care, and rehabilitative care available in our community adequate? Were factors unrelated to the condition or procedure for hospitalization at cause for a patient's mortality?

Sincerely,

Joseph Flamini
Administrator for
Professional Services

cc: Christopher M. Frauenhoffer, MD, Chairman
Quality Assurance Committee

Garry L. Scheib, Executive Director

ZURBRUGG MEMORIAL HOSPITAL

Taylor St
Riverside, NJ 08075

Medicare Provider Number: 310056

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	982	9.6	10.2	1.2	14.6	15.4	1.3	19.9	19.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	47	21.3	26.6	*	23.4	29.4	*	25.5	32.5	*
Congestive Heart Failure	89	11.2	17.0	4.7	19.1	25.9	6.4	24.7	32.8	5.9
Pneumonia/Influenza	40	27.5	20.2	*	30.0	27.2	*	32.5	32.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	8.6	*	14.3	16.0	*	14.3	22.7	*
Transient Cerebral Ischemia	21	0.0	2.5	*	0.0	5.9	*	4.8	9.5	*
Stroke	49	18.4	22.2	*	30.6	28.8	*	34.7	33.4	*
Hip Fracture	33	3.0	6.6	*	9.1	11.7	*	12.1	15.1	*
Sepsis	22	13.6	25.0	*	18.2	31.3	*	22.7	36.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.1	*	20.0	7.7	*	20.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	5.1	*	18.2	9.6	*	18.2	12.5	*
Open Reduction of Hip Fracture	19	0.0	5.8	*	5.3	10.7	*	10.5	14.1	*
Prostatectomy	25	0.0	1.7	*	0.0	4.1	*	0.0	6.7	*
Cholecystectomy	15	6.7	2.8	*	6.7	4.8	*	6.7	6.2	*
Hysterectomy	10	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds 146
Occupancy Rate 57
Ownership/Control ..... Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians 182
Percent of Physicians Board Certified Specialists 59
Medical Residents/Interns 0
Registered Nurses 79
Licensed Practical Nurses 37

SPECIALTY SERVICES:

Burn Unit ..... No
Cardiac Intensive Care ..... Yes
Comprehensive Geriatric ..... Yes
Hospice Care ..... Yes
Medical/Surgical Intensive Care ..... Yes
Organ/Tissue Transplant ..... No
Other Intensive Care ..... No
Rehabilitation Unit ..... No
Trauma Center ..... No

**** Not used in calculating hospital mortality rates.**

ZURBRUGG MEMORIAL HOSPITAL

Medicare Provider Number: 310056

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	988	11.1	10.3	1.5	16.2	15.5	1.7	20.5	19.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	31.2	*	36.0	34.6	*	38.0	38.1	*
Congestive Heart Failure	61	16.4	17.1	5.3	26.2	26.3	5.8	37.7	33.6	7.3
Pneumonia/Influenza	35	20.0	19.2	*	28.6	25.8	*	28.6	30.7	*
Chronic Obstructive Pulmonary Disease	19	5.3	15.9	*	10.5	22.9	*	10.5	28.4	*
Transient Cerebral Ischemia	22	0.0	1.8	*	0.0	3.8	*	18.2	6.0	*
Stroke	38	15.8	23.1	*	26.3	29.6	*	26.3	34.1	*
Hip Fracture	34	2.9	7.3	*	5.9	12.9	*	8.8	16.4	*
Sepsis	11	18.2	29.1	*	36.4	37.3	*	36.4	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	16.7	9.9	*	25.0	14.2	*	25.0	17.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	2.5	*	5.9	4.8	*	5.9	6.5	*
Open Reduction of Hip Fracture	23	0.0	6.7	*	4.3	12.3	*	8.7	15.9	*
Prostatectomy	16	0.0	0.9	*	0.0	2.1	*	6.3	3.5	*
Cholecystectomy	29	3.4	2.4	*	3.4	4.4	*	6.9	6.0	*
Hysterectomy	7	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	971	11.5	10.7	1.7	17.4	15.8	2.0	21.8	19.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	51	41.2	34.1	12.6	45.1	37.2	12.9	47.1	40.6	13.2
Congestive Heart Failure	74	23.0	17.1	7.6	33.8	25.8	8.8	41.9	32.8	10.0
Pneumonia/Influenza	38	23.7	18.5	*	26.3	24.8	*	42.1	29.8	*
Chronic Obstructive Pulmonary Disease	23	17.4	7.9	*	17.4	14.2	*	17.4	19.6	*
Transient Cerebral Ischemia	15	6.7	2.7	*	6.7	6.0	*	13.3	9.5	*
Stroke	54	16.7	20.3	6.4	24.1	27.1	8.3	25.9	31.6	10.5
Hip Fracture	22	4.5	10.2	*	13.6	17.6	*	18.2	21.8	*
Sepsis	14	21.4	24.6	*	50.0	30.7	*	50.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	7.8	*	18.2	12.4	*	18.2	15.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.6	*	0.0	10.4	*	0.0	13.5	*
Open Reduction of Hip Fracture	15	0.0	7.8	*	13.3	14.2	*	20.0	18.1	*
Prostatectomy	25	4.0	1.0	*	4.0	2.3	*	4.0	3.6	*
Cholecystectomy	15	0.0	2.2	*	0.0	4.1	*	0.0	5.5	*
Hysterectomy	4	0.0	1.2	*	0.0	2.4	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**



ZURBRUGG HOSPITAL

January 10, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Wilensky:

Zurbrugg Memorial Hospital has again the opportunity to review and comment on the selected mortality report you released last December 6, 1990. This is always an issue of vital importance to all hospitals and to the public at large.

ZMH has adapted a hospital-wide quality assurance program which reviews all aspects of care. The report reflected significant improvement which we partly attribute to this program. Mortality data is an important quality indicator for all patient care providers at ZMH and is used to identify potential areas for evaluation, improvement and/or problem resolution. Mortality is an outcome indicator which we use in evaluating care. In addition, other clinical and technical indicators are monitored in every department's quality assurance program.

As shown on most of the conditions and procedures listed on your report, the mortality cases at ZMH was too small to permit satisfactory estimation of the standard deviation. Our Quality Assurance Executive Committee has validated that your data is an accurate reflection of the statistics at this facility, although it does not take into consideration that ZMH Hospital had a Hospice Program until May, 1990. The statistics may not have accounted for the high mortality rates for hospice patients.

Finally, we hope the release of this data will be helpful, and not confuse or mislead the media and public regarding our facility and this report.

Sincerely,

Bernadette Mangan

Bernadette Mangan
Executive Director
Zurbrugg Memorial Hospital
One Hospital Plaza
Riverside, NJ 08075

MC/jdc

Puerto Rico

AGUADILLA REGIONAL HOSPITAL

Bo Camaseyes P O Box 9368
Aguadilla, PR 00603

Medicare Provider Number: 400079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	707	20.1	11.2	1.6	24.3	15.9	1.6	28.1	19.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	42	26.2	29.3	*	31.0	32.5	*	35.7	36.0	*
Congestive Heart Failure	68	29.4	14.7	6.9	39.7	22.3	7.5	45.6	28.8	8.1
Pneumonia/Influenza	73	45.2	17.1	5.0	47.9	22.7	5.3	49.3	27.0	5.5
Chronic Obstructive Pulmonary Disease	10	0.0	4.8	*	0.0	9.6	*	0.0	13.9	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	3.6	*	0.0	5.7	*
Stroke	37	29.7	19.7	*	32.4	26.1	*	32.4	30.6	*
Hip Fracture	0									
Sepsis	7	100.0	32.7	*	100.0	39.8	*	100.0	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	20	0.0	2.4	*	0.0	4.4	*	0.0	5.9	*
Hysterectomy	1	0.0	1.7	*	0.0	4.6	*	0.0	8.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 230
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 98
Licensed Practical Nurses 78

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

AGUADILLA REGIONAL HOSPITAL

Medicare Provider Number: 400079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	717	15.1	11.0	1.5	20.9	15.3	2.0	25.2	18.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	31.3	*	31.6	34.8	*	36.8	38.3	*
Congestive Heart Failure	46	28.3	17.5	*	47.8	26.4	*	54.3	33.7	*
Pneumonia/Influenza	76	31.6	18.2	6.8	38.2	23.6	7.3	40.8	27.8	7.6
Chronic Obstructive Pulmonary Disease	17	5.9	9.6	*	17.6	16.2	*	29.4	21.4	*
Transient Cerebral Ischemia	11	0.0	2.6	*	9.1	5.8	*	9.1	9.2	*
Stroke	42	28.6	22.1	*	38.1	28.8	*	40.5	33.2	*
Hip Fracture	0									
Sepsis	14	64.3	35.4	*	64.3	43.1	*	64.3	49.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	16	0.0	1.9	*	0.0	3.2	*	0.0	4.0	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	645	12.2	8.9	1.6	18.0	13.4	1.9	22.8	17.2	2.2
CONDITIONS:										
Acute Myocardial Infarction	20	15.0	24.0	*	20.0	27.8	*	25.0	31.5	*
Congestive Heart Failure	52	13.5	12.2	6.0	21.2	18.9	5.6	34.6	24.8	8.5
Pneumonia/Influenza	48	20.8	17.7	*	29.2	23.2	*	37.5	27.3	*
Chronic Obstructive Pulmonary Disease	46	8.7	9.1	*	15.2	15.0	*	17.4	19.8	*
Transient Cerebral Ischemia	10	10.0	2.2	*	10.0	4.9	*	10.0	7.9	*
Stroke	36	30.6	16.0	*	36.1	22.4	*	38.9	26.7	*
Hip Fracture	0									
Sepsis	6	50.0	34.1	*	83.3	39.7	*	83.3	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	22	0.0	2.3	*	0.0	4.3	*	0.0	5.8	*
Hysterectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ARECIBO DISTRICT HOSPITAL

San Luis Ave
Arecibo, PR 00612

Medicare Provider Number: 400087

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,175	20.3	10.6	1.6	26.8	15.2	2.2	30.2	18.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	58	34.5	26.8	7.6	39.7	29.2	8.5	44.8	32.0	9.9
Congestive Heart Failure	111	22.5	13.6	4.6	32.4	20.6	5.3	40.5	26.7	7.1
Pneumonia/Influenza	104	43.3	17.0	4.7	54.8	22.1	5.7	56.7	26.2	5.4
Chronic Obstructive Pulmonary Disease	5	20.0	4.3	*	20.0	8.3	*	20.0	12.2	*
Transient Cerebral Ischemia	2	0.0	2.2	*	0.0	4.6	*	0.0	7.3	*
Stroke	77	41.6	22.0	7.1	50.6	28.5	7.6	54.5	33.1	7.8
Hip Fracture	46	4.3	8.3	*	15.2	14.1	*	19.6	17.7	*
Sepsis	9	33.3	16.4	*	66.7	22.4	*	66.7	26.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	6.7	*	10.5	12.0	*	21.1	15.3	*
Open Reduction of Hip Fracture	20	5.0	8.6	*	20.0	15.3	*	20.0	19.4	*
Prostatectomy	18	0.0	1.2	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy	29	6.9	3.5	*	10.3	6.3	*	10.3	8.4	*
Hysterectomy	15	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 230
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 177
Licensed Practical Nurses 127

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ARECIBO DISTRICT HOSPITAL

Medicare Provider Number: 400087

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,415	21.0	12.4	1.9	26.4	17.3	1.4	30.2	21.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	65	36.9	27.9	8.0	44.6	30.6	8.3	47.7	33.7	9.7
Congestive Heart Failure	107	21.5	15.6	5.5	27.1	23.3	5.3	34.6	29.8	6.1
Pneumonia/Influenza	154	42.2	18.2	4.9	48.1	23.7	4.4	51.9	28.1	4.6
Chronic Obstructive Pulmonary Disease	14	28.6	11.0	*	28.6	18.4	*	28.6	24.6	*
Transient Cerebral Ischemia	4	0.0	1.7	*	0.0	3.7	*	25.0	5.9	*
Stroke	88	47.7	21.5	5.4	55.7	27.3	6.5	60.2	31.9	5.9
Hip Fracture	52	13.5	9.1	5.2	21.2	15.9	8.5	26.9	19.9	10.1
Sepsis	32	65.6	35.9	*	75.0	42.5	*	78.1	48.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.8	*	0.0	3.4	*	0.0	4.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	11.8	7.9	*	29.4	14.5	*	29.4	18.4	*
Open Reduction of Hip Fracture	27	14.8	8.0	*	14.8	14.5	*	22.2	18.3	*
Prostatectomy	52	1.9	1.3	1.7	1.9	3.0	2.6	3.8	4.8	3.3
Cholecystectomy	36	5.6	3.2	*	5.6	5.1	*	5.6	6.3	*
Hysterectomy	31	0.0	0.4	*	0.0	0.7	*	3.2	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,173	22.5	14.1	2.3	29.2	18.8	2.4	32.9	22.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	42	38.1	27.7	*	38.1	30.6	*	40.5	33.8	*
Congestive Heart Failure	77	24.7	16.3	6.3	33.8	23.8	7.5	42.9	30.2	8.9
Pneumonia/Influenza	102	21.6	18.1	4.1	34.3	23.7	5.8	38.2	28.0	5.9
Chronic Obstructive Pulmonary Disease	13	7.7	11.7	*	15.4	18.5	*	23.1	23.7	*
Transient Cerebral Ischemia	7	14.3	1.7	*	14.3	3.4	*	14.3	5.4	*
Stroke	66	50.0	23.6	5.7	62.1	29.6	6.4	65.2	34.3	6.5
Hip Fracture	38	10.5	6.6	*	23.7	12.0	*	26.3	15.5	*
Sepsis	23	82.6	39.2	*	82.6	45.5	*	82.6	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	21.4	6.7	*	28.6	12.1	*	35.7	15.8	*
Open Reduction of Hip Fracture	18	0.0	5.2	*	16.7	10.3	*	16.7	13.7	*
Prostatectomy	40	0.0	1.4	*	0.0	3.4	*	2.5	5.6	*
Cholecystectomy	26	3.8	3.1	*	11.5	5.5	*	11.5	7.2	*
Hysterectomy	26	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRO MEDICO DE ARECIBO

PROVIDER NO.: 400087

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Gentlemen:

After the receipt of the annual Medicare Hospital Mortality Information of patients who were discharged between October 1, 1988 and September 30, 1989; we made and objective evaluation of 80% (152) of those patients that died in our institution (190) and have arrived to the following conclusions:

1. The quality of care was adequate in the cases that were evaluated. There is still 20% of these cases that are in the process of evaluation; due to the short time left between the receipt and the time to make our comments we have not been able to evaluate them.

2. The highest percentage of our patients were between the ages of 71-85, which at the present moment our expectancy of life in Puerto Rico is 71 for males -- 77 for females.

3. Most of this patients had multiple co-morbilities that influence negatively on their outcome. Example: Diabetes Mellitus, Hypertension, Alcohol abusers.

4. The compliance of most of our patient was very poor. Some of the reasons for this low compliance was: a) when they feel better, they stop their medication; b) they fail to como to O.P.D. appointments; c) some patients live alone.

5. About 50% of the death occurs during Saturdays, that force us to perform an objective evaluation of the quality of medical care and ancillary service during the weekends. We would like to know if this is frequent in other institutions like ours.

6. Most of the deaths were due to Cardio-pulmonary diagnosed and Stroke.

7. The death that occurs 30-60-180 days after the discharge of the patient; in other words, the patient that died outside of our Institution was impossible to evaluate. The law in Puerto Rico prohibits that this information be given to us without a written consent of the family to the Demographic Register. This defunction certificate will be the only document that contains the principal cause of death of the patient.

Call Box 1650, Arecibo, PR 00613 - Tel. (809) 878-7272

PROVIDER NO.: 400087

The recommendation given by you to evaluate these deaths is also impossible due to the fact that in our Public Health System the mayority of their patients do not have a specific doctor; they are follow-up by different MDs.

Due to the inconvenience of evaluating, these outside deaths should not be applied to our institution, in view that there is a possibility that some of these deaths (mostly the ones that occur 60-180 days after discharge) did not have any relation with the diagnostic upon discharged. For example: Patient with a principal diagnostic upon discharge of BKP and the patient died outside of our Institution due to: a) Car accident; b) An assault or c) AMI.

RECOMMENDATIONS:

1. We would like that in the enclosure D, where the patient-specific listing is, both last names be included. In our Record System we use both last name, it will be easier for us to identify the patient more rapidly.

2. It will be helpfull to us if this annual release is sent to us earlier, so we have enough time to evaluate all the cases included in the document.

3. We will like to share the data of other hospitals in Puerto Rico comparable to ours, without identifying the name of the institution. This will help us, due to the fact that there are some factors in Puerto Rico that probably are not present in the mayority of the states. Some of these factors are:

a) Poor compliance of the patients
b) Lack of good transportation from and to the hospital
c) Low socio-economic status of the mayority of patients that we care
d) Lack of rehabilitation centers
e) Lack of intermediary treatment units.

4. We estimate necessary that you explain why the Predicted Rate for Puerto Rico was higher for FY-1987 and FY-1988 compared to the year 1989.

Expecting this information will be useful, we remain

Cordially yours,

Eloy Díaz-Santana, MD
Director
Utilization Review Program

Iris J. Vázquez-Rosario, MHSA
Executive Director

cmg

ASHFORD MEMORIAL HOSPITAL

P O Box 32
San Juan, PR 00902

Medicare Provider Number: 400001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,110	7.7	8.3	0.9	10.9	12.3	1.2	13.2	15.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	30.0	*	37.1	33.1	*	37.1	36.5	*
Congestive Heart Failure	46	4.3	13.8	*	13.0	21.7	*	19.6	28.4	*
Pneumonia/Influenza	32	21.9	18.7	*	28.1	24.9	*	31.3	29.7	*
Chronic Obstructive Pulmonary Disease	7	0.0	5.8	*	0.0	10.5	*	0.0	15.1	*
Transient Cerebral Ischemia	14	0.0	2.4	*	0.0	5.6	*	0.0	9.1	*
Stroke	42	23.8	23.2	*	23.8	29.9	*	28.6	34.4	*
Hip Fracture	19	0.0	6.4	*	5.3	11.5	*	5.3	15.0	*
Sepsis	14	28.6	33.0	*	50.0	39.2	*	64.3	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.2	*	0.0	5.6	*	0.0	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.0	*	0.0	11.2	*	0.0	14.7	*
Open Reduction of Hip Fracture	11	0.0	5.8	*	9.1	10.9	*	9.1	14.5	*
Prostatectomy	44	0.0	1.1	*	0.0	1.9	*	2.3	2.9	*
Cholecystectomy	46	2.2	2.1	*	2.2	3.8	*	4.3	5.2	*
Hysterectomy	17	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 207
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 92
Licensed Practical Nurses 84

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ASHFORD MEMORIAL HOSPITAL

Medicare Provider Number: 400001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,136	8.6	8.5	1.0	11.7	12.5	1.2	13.7	15.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	34	29.4	29.2	*	32.4	32.8	*	38.2	36.5	*
Congestive Heart Failure	47	17.0	16.4	*	23.4	24.7	*	27.7	31.5	*
Pneumonia/Influenza	26	11.5	17.8	*	15.4	23.2	*	15.4	27.6	*
Chronic Obstructive Pulmonary Disease	5	0.0	5.0	*	0.0	10.0	*	20.0	14.5	*
Transient Cerebral Ischemia	21	0.0	1.8	*	4.8	4.0	*	9.5	6.5	*
Stroke	30	20.0	24.8	*	20.0	31.7	*	23.3	36.2	*
Hip Fracture	16	6.3	4.9	*	12.5	8.9	*	12.5	11.6	*
Sepsis	12	50.0	31.7	*	58.3	40.6	*	58.3	47.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.3	*	0.0	4.3	*	0.0	6.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.7	*	14.3	7.3	*	14.3	9.8	*
Open Reduction of Hip Fracture	8	12.5	4.4	*	12.5	8.2	*	12.5	10.7	*
Prostatectomy	45	2.2	1.1	*	2.2	2.2	*	2.2	3.4	*
Cholecystectomy	40	2.5	2.9	*	2.5	5.0	*	2.5	6.4	*
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,143	5.8	6.7	1.3	8.6	10.0	1.6	11.1	12.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	28.9	*	24.0	32.6	*	24.0	36.0	*
Congestive Heart Failure	34	14.7	18.8	*	26.5	28.0	*	29.4	35.3	*
Pneumonia/Influenza	19	21.1	17.3	*	26.3	22.9	*	36.8	27.3	*
Chronic Obstructive Pulmonary Disease	8	12.5	11.6	*	12.5	19.5	*	25.0	25.4	*
Transient Cerebral Ischemia	13	0.0	2.4	*	0.0	5.1	*	0.0	8.2	*
Stroke	24	16.7	22.3	*	25.0	29.4	*	29.2	33.9	*
Hip Fracture	16	12.5	5.0	*	12.5	9.4	*	12.5	12.6	*
Sepsis	4	75.0	51.5	*	100.0	58.4	*	100.0	65.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	5.4	*	13.3	9.3	*	13.3	12.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	8.2	*	0.0	11.5	*
Open Reduction of Hip Fracture	8	25.0	3.9	*	25.0	7.7	*	25.0	10.4	*
Prostatectomy	64	1.6	1.0	*	1.6	2.5	*	1.6	4.3	*
Cholecystectomy	27	0.0	1.7	*	0.0	3.1	*	0.0	4.2	*
Hysterectomy	16	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

AUXILIO MUTUO HOSPITAL

Ponce De Leon Ave
Hato Rey, PR 00919

Medicare Provider Number: 400016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,970	8.9	8.9	0.5	13.5	13.5	0.7	16.3	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	87	35.6	30.7	10.1	40.2	34.1	9.9	41.4	37.4	8.6
Congestive Heart Failure	186	12.4	15.8	5.4	21.0	24.2	4.7	28.5	31.0	5.4
Pneumonia/Influenza	188	20.7	17.1	4.5	26.6	22.8	4.0	28.7	27.1	3.5
Chronic Obstructive Pulmonary Disease	62	16.1	8.5	6.4	17.7	14.7	7.8	29.0	20.0	9.5
Transient Cerebral Ischemia	69	5.8	2.0	3.0	10.1	4.3	4.4	10.1	6.9	4.7
Stroke	118	19.5	24.2	6.2	26.3	31.4	7.0	32.2	36.0	6.1
Hip Fracture	80	8.7	6.9	5.7	13.7	11.8	5.3	17.5	14.9	5.5
Sepsis	56	28.6	28.8	6.5	37.5	37.8	7.0	39.3	44.5	8.3
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	7.3	*	0.0	9.9	*	0.0	11.5	*
Initial Pacemaker Insertion	32	6.3	3.4	*	6.3	6.4	*	9.4	9.2	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	46	6.5	3.4	*	10.9	6.1	*	10.9	7.9	*
Open Reduction of Hip Fracture	44	9.1	6.3	*	11.4	11.3	*	15.9	14.5	*
Prostatectomy	226	0.9	0.7	0.7	1.3	1.6	0.9	2.2	2.6	1.1
Cholecystectomy	99	1.0	1.9	2.0	2.0	3.4	2.5	3.0	4.5	2.6
Hysterectomy	38	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 386
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 229
Licensed Practical Nurses 137

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

AUXILIO MUTUO HOSPITAL

Medicare Provider Number: 400016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,835	8.1	8.7	0.6	12.5	13.1	0.8	15.9	16.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	81	29.6	30.4	6.5	33.3	34.0	7.3	34.6	37.7	7.6
Congestive Heart Failure	163	12.9	16.5	4.5	19.6	25.0	5.9	28.2	32.0	5.2
Pneumonia/Influenza	123	21.1	19.5	4.2	27.6	25.8	4.2	30.1	30.4	4.2
Chronic Obstructive Pulmonary Disease	69	14.5	9.3	4.3	14.5	16.0	4.6	18.8	21.5	5.2
Transient Cerebral Ischemia	71	4.2	2.5	3.3	8.5	5.5	3.8	9.9	8.8	3.7
Stroke	110	24.5	23.3	4.2	32.7	31.0	5.0	37.3	35.8	4.8
Hip Fracture	81	8.6	6.5	3.8	12.3	11.7	3.8	14.8	15.0	4.0
Sepsis	64	26.6	35.9	8.2	40.6	44.1	6.8	48.4	50.4	6.4
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	7.6	*	14.3	11.4	*	14.3	15.0	*
Carotid Endarterectomy	1	0.0	2.4	*	0.0	4.3	*	0.0	6.4	*
Hip Replacement/Reconstruction	42	7.1	3.9	*	9.5	7.6	*	11.9	10.1	*
Open Reduction of Hip Fracture	43	4.7	5.6	*	9.3	10.4	*	11.6	13.5	*
Prostatectomy	221	1.8	0.7	0.9	4.1	1.6	1.5	5.0	2.6	1.7
Cholecystectomy	95	2.1	2.3	1.9	6.3	4.0	3.2	8.4	5.2	4.6
Hysterectomy	48	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,210	8.5	9.4	0.8	12.6	14.1	0.8	16.3	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	65	35.4	32.4	6.2	36.9	35.7	6.0	41.5	39.2	6.5
Congestive Heart Failure	152	15.1	17.3	6.2	21.1	26.1	4.5	31.6	33.0	4.1
Pneumonia/Influenza	121	17.4	18.7	3.9	22.3	24.6	4.5	28.9	29.1	4.3
Chronic Obstructive Pulmonary Disease	57	19.3	13.0	9.3	28.1	20.8	11.4	31.6	26.3	9.8
Transient Cerebral Ischemia	39	0.0	2.3	*	5.1	5.0	*	5.1	8.0	*
Stroke	104	24.0	22.9	4.2	30.8	30.2	4.6	35.6	34.8	4.7
Hip Fracture	48	4.2	6.6	*	12.5	11.8	*	12.5	15.3	*
Sepsis	41	39.0	34.6	*	43.9	42.7	*	48.8	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	3.4	*	0.0	6.7	*	4.2	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	37	0.0	2.9	*	2.7	5.4	*	2.7	7.2	*
Open Reduction of Hip Fracture	20	5.0	6.8	*	15.0	12.7	*	15.0	16.4	*
Prostatectomy	117	0.9	0.9	1.1	2.6	2.2	2.1	5.1	3.6	2.9
Cholecystectomy	66	0.0	2.6	3.1	1.5	4.2	3.4	1.5	5.4	4.3
Hysterectomy	46	2.2	0.3	*	2.2	0.7	*	4.3	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BELLA VISTA HOSPITAL

Box 1750
Mayaguez, PR 00708

Medicare Provider Number: 400014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,572	10.6	8.9	1.0	14.8	13.4	1.1	17.6	16.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	61	29.5	25.8	7.6	32.8	29.0	7.3	32.8	32.2	6.3
Congestive Heart Failure	96	14.6	13.8	4.9	26.0	21.6	6.3	32.3	28.4	6.1
Pneumonia/Influenza	82	25.6	16.8	7.8	32.9	22.3	7.2	35.4	26.5	7.2
Chronic Obstructive Pulmonary Disease	13	0.0	9.9	*	15.4	17.4	*	15.4	24.2	*
Transient Cerebral Ischemia	20	5.0	3.0	*	10.0	6.9	*	15.0	11.1	*
Stroke	62	29.0	18.9	6.5	30.6	25.2	6.0	32.3	29.5	5.9
Hip Fracture	42	4.8	6.6	*	7.1	11.2	*	11.9	14.2	*
Sepsis	13	53.8	37.4	*	76.9	47.3	*	76.9	53.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	33	0.0	3.8	*	0.0	7.4	*	0.0	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	3.8	*	9.1	6.6	*	18.2	8.4	*
Open Reduction of Hip Fracture	29	0.0	5.7	*	3.4	10.3	*	6.9	13.3	*
Prostatectomy	140	0.7	0.6	0.8	1.4	1.5	1.5	3.6	2.6	1.8
Cholecystectomy	64	0.0	2.3	*	0.0	3.8	*	0.0	4.7	*
Hysterectomy	44	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 157
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 0
Registered Nurses 73
Licensed Practical Nurses 46

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

BELLA VISTA HOSPITAL

Medicare Provider Number: 400014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,508	10.0	8.9	1.5	14.7	13.3	1.6	17.6	16.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	58	39.7	29.2	11.5	41.4	32.5	11.5	43.1	35.9	10.7
Congestive Heart Failure	82	14.6	14.2	3.9	22.0	21.6	4.6	28.0	27.9	5.1
Pneumonia/Influenza	75	12.0	15.4	5.5	21.3	20.3	6.5	25.3	24.1	5.0
Chronic Obstructive Pulmonary Disease	8	0.0	10.4	*	0.0	17.9	*	0.0	23.6	*
Transient Cerebral Ischemia	12	0.0	2.9	*	8.3	6.5	*	8.3	10.4	*
Stroke	54	31.5	19.9	7.9	37.0	26.5	8.2	44.4	30.8	9.2
Hip Fracture	36	5.6	6.9	*	16.7	12.2	*	16.7	15.7	*
Sepsis	15	13.3	31.7	*	40.0	38.8	*	53.3	44.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.3	*	0.0	9.5	*	0.0	13.0	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	13	7.7	3.4	*	7.7	6.4	*	7.7	8.4	*
Open Reduction of Hip Fracture	31	3.2	5.7	*	16.1	10.7	*	16.1	13.9	*
Prostatectomy	143	0.0	1.0	1.2	1.4	2.3	1.5	3.5	3.9	2.0
Cholecystectomy	74	4.1	2.2	2.8	5.4	3.8	3.4	5.4	5.1	3.7
Hysterectomy	33	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,271	9.0	8.4	1.0	13.1	12.6	1.3	16.9	15.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	39	20.5	24.7	*	23.1	28.4	*	28.2	32.0	*
Congestive Heart Failure	62	17.7	14.3	7.8	29.0	21.8	7.5	30.6	28.4	6.2
Pneumonia/Influenza	71	18.3	17.0	5.4	22.5	22.4	6.0	28.2	26.6	6.3
Chronic Obstructive Pulmonary Disease	17	11.8	12.0	*	23.5	20.2	*	35.3	26.5	*
Transient Cerebral Ischemia	20	0.0	2.1	*	0.0	4.7	*	5.0	7.5	*
Stroke	53	22.6	20.5	5.9	26.4	27.0	6.3	28.3	31.4	7.1
Hip Fracture	21	0.0	4.2	*	9.5	7.9	*	14.3	10.6	*
Sepsis	14	42.9	24.7	*	42.9	32.3	*	42.9	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.8	*	7.1	5.6	*	14.3	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	1.7	*	0.0	3.3	*	12.5	4.5	*
Open Reduction of Hip Fracture	17	0.0	3.8	*	11.8	7.5	*	11.8	10.3	*
Prostatectomy	109	0.0	0.6	1.3	2.8	1.4	2.0	4.6	2.4	3.6
Cholecystectomy	62	4.8	2.4	3.0	4.8	4.1	3.1	6.5	5.3	3.2
Hysterectomy	24	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CAROLINA AREA HOSPITAL

Ave 65th Infanteria Box 3747
Carolina, PR 00630

Medicare Provider Number: 400112

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,435	15.3	11.9	1.2	20.1	16.7	1.4	24.1	20.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	74	36.5	27.1	7.5	37.8	30.1	9.4	47.3	33.4	9.4
Congestive Heart Failure	97	15.5	14.4	3.7	24.7	21.9	4.8	32.0	28.4	6.4
Pneumonia/Influenza	111	21.6	18.0	6.5	26.1	23.7	5.9	29.7	28.3	4.6
Chronic Obstructive Pulmonary Disease	2	0.0	14.6	*	50.0	24.4	*	50.0	31.6	*
Transient Cerebral Ischemia	15	0.0	1.7	*	0.0	3.6	*	6.7	5.7	*
Stroke	80	28.7	24.3	8.7	36.2	30.7	10.5	43.8	35.1	12.1
Hip Fracture	0									
Sepsis	41	51.2	37.1	*	65.9	45.6	*	70.7	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.1	*	16.7	8.7	*	16.7	13.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	71	1.4	1.2	1.4	2.8	2.9	2.7	2.8	4.7	3.8
Cholecystectomy	39	2.6	2.8	*	2.6	5.0	*	7.7	6.6	*
Hysterectomy	14	7.1	1.1	*	7.1	2.1	*	7.1	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 250
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 8
Registered Nurses 148
Licensed Practical Nurses 96

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CAROLINA AREA HOSPITAL

Medicare Provider Number: 400112

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,284	15.3	11.9	1.2	21.4	16.7	1.5	24.8	20.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	70	34.3	27.0	7.1	40.0	30.5	8.3	44.3	34.0	8.6
Congestive Heart Failure	84	13.1	14.7	5.7	22.6	22.0	5.3	31.0	28.2	5.3
Pneumonia/Influenza	70	17.1	19.8	6.5	30.0	26.7	6.8	34.3	31.8	6.5
Chronic Obstructive Pulmonary Disease	18	5.6	9.6	*	11.1	16.9	*	11.1	23.4	*
Transient Cerebral Ischemia	8	0.0	2.5	*	0.0	5.7	*	0.0	9.3	*
Stroke	76	32.9	26.6	8.1	40.8	32.1	9.9	43.4	36.5	11.3
Hip Fracture	1	100.0	6.2	*	100.0	12.3	*	100.0	17.4	*
Sepsis	43	67.4	30.4	*	72.1	39.1	*	76.7	45.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.3	*	0.0	4.0	*	0.0	5.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	65	1.5	1.1	1.5	3.1	2.3	2.9	6.2	3.7	4.5
Cholecystectomy	41	2.4	2.1	*	2.4	3.6	*	4.9	4.6	*
Hysterectomy	9	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,071	14.8	10.1	1.8	19.1	14.0	1.5	22.6	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	46	21.7	27.9	*	23.9	31.0	*	28.3	34.6	*
Congestive Heart Failure	67	10.4	14.3	5.4	19.4	21.4	5.2	32.8	27.7	6.0
Pneumonia/Influenza	85	25.9	17.9	5.2	37.6	23.8	6.9	42.4	28.5	7.4
Chronic Obstructive Pulmonary Disease	32	12.5	11.4	*	18.8	19.1	*	25.0	25.1	*
Transient Cerebral Ischemia	6	0.0	3.4	*	16.7	7.7	*	33.3	12.5	*
Stroke	59	37.3	23.5	9.3	45.8	29.3	10.2	47.5	33.8	9.3
Hip Fracture	5	20.0	6.4	*	40.0	12.0	*	40.0	16.0	*
Sepsis	25	60.0	34.7	*	76.0	42.4	*	80.0	49.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.8	*	0.0	7.5	*	0.0	11.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	7.4	*	0.0	13.9	*	0.0	18.4	*
Open Reduction of Hip Fracture	1	0.0	6.0	*	0.0	12.0	*	0.0	16.4	*
Prostatectomy	52	0.0	0.7	1.3	1.9	1.6	1.8	1.9	2.6	2.3
Cholecystectomy	28	3.6	2.3	*	3.6	4.2	*	3.6	5.7	*
Hysterectomy	3	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CASTANER GENERAL HOSPITAL

P O Box 23
Castaner, PR 00631

Medicare Provider Number: 400010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	182	12.1	11.1	2.8	15.4	16.8	3.0	15.9	21.2	3.8
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	31.7	*	0.0	34.6	*	25.0	37.8	*
Congestive Heart Failure	9	33.3	17.4	*	44.4	26.5	*	44.4	33.8	*
Pneumonia/Influenza	6	16.7	19.3	*	16.7	25.8	*	16.7	30.5	*
Chronic Obstructive Pulmonary Disease	5	20.0	17.5	*	20.0	25.8	*	20.0	32.3	*
Transient Cerebral Ischemia	2	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*
Stroke	6	16.7	14.1	*	16.7	20.3	*	16.7	24.0	*
Hip Fracture	0									
Sepsis	3	0.0	46.0	*	0.0	55.8	*	0.0	63.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	1.6	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 33
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 15
Licensed Practical Nurses 15

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CASTANER GENERAL HOSPITAL

Medicare Provider Number: 400010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	215	9.3	11.3	2.3	12.1	16.5	3.1	14.4	20.6	3.6
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	36.9	*	33.3	40.2	*	33.3	44.4	*
Congestive Heart Failure	6	0.0	19.0	*	0.0	28.1	*	0.0	34.5	*
Pneumonia/Influenza	9	11.1	16.8	*	22.2	22.0	*	22.2	26.2	*
Chronic Obstructive Pulmonary Disease	23	8.7	8.1	*	8.7	14.2	*	13.0	19.8	*
Transient Cerebral Ischemia	2	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke	5	0.0	21.8	*	40.0	29.4	*	40.0	34.7	*
Hip Fracture	0									
Sepsis	9	55.6	37.3	*	55.6	43.9	*	55.6	50.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	4	0.0	1.6	*	0.0	2.8	*	0.0	3.8	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	209	7.7	7.6	2.3	10.5	11.6	2.4	15.8	15.1	2.6
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	38.2	*	100.0	46.3	*	100.0	51.0	*
Congestive Heart Failure	11	27.3	16.2	*	27.3	24.4	*	27.3	31.0	*
Pneumonia/Influenza	9	22.2	15.9	*	33.3	21.0	*	33.3	25.1	*
Chronic Obstructive Pulmonary Disease	20	0.0	11.1	*	5.0	18.9	*	5.0	24.8	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.1	*	11.1	6.5	*
Stroke	3	66.7	19.4	*	66.7	27.8	*	66.7	32.8	*
Hip Fracture	0									
Sepsis	4	0.0	51.4	*	0.0	60.0	*	25.0	66.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CAYEY HEALTH CENTER

Luis Barreras St
Cayey, PR 00633

Medicare Provider Number: 400037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	77	3.9	5.8	3.1	6.5	9.0	4.3	9.1	11.9	5.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	10.2	*	66.7	14.9	*	66.7	19.7	*
Pneumonia/Influenza	11	9.1	16.4	*	9.1	21.1	*	9.1	24.9	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 42
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 32
Licensed Practical Nurses 19

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CAYEY HEALTH CENTER

Medicare Provider Number: 400037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	62	6.5	8.6	4.0	12.9	12.9	5.2	17.7	16.4	6.0
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	16.9	*	0.0	19.3	*	0.0	22.1	*
Congestive Heart Failure	7	14.3	14.0	*	28.6	20.6	*	28.6	26.3	*
Pneumonia/Influenza	9	11.1	19.9	*	22.2	25.4	*	33.3	29.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	12.2	*	0.0	17.8	*	0.0	21.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	54	11.1	6.6	5.5	13.0	10.0	5.0	14.8	13.1	4.8
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	27.3	*	0.0	30.5	*	0.0	34.9	*
Congestive Heart Failure	3	66.7	16.9	*	66.7	25.1	*	66.7	31.6	*
Pneumonia/Influenza	7	28.6	16.6	*	28.6	21.8	*	28.6	25.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	10.2	*	0.0	15.0	*	50.0	18.7	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	18.2	*	0.0	22.4	*	0.0	26.4	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CLINICA DR FERNANDEZ GARCIA

358 Ponce De Leon Ave
Hato Rey, PR 00919

Medicare Provider Number: 400119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	80	2.5	6.1	3.4	5.0	10.0	4.7	6.3	13.3	5.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	3	33.3	8.8	*	33.3	12.3	*	33.3	15.3	*
Chronic Obstructive Pulmonary Disease	25	0.0	7.1	*	0.0	12.2	*	0.0	16.7	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	9.7	*	0.0	14.5	*	0.0	17.9	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 188
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 29
Licensed Practical Nurses 20

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CLINICA DR FERNANDEZ GARCIA

Medicare Provider Number: 400119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	176	3.4	5.2	1.9	6.3	9.1	2.5	7.4	12.4	3.4
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	7	28.6	11.0	*	42.9	15.3	*	57.1	18.7	*
Chronic Obstructive Pulmonary Disease	108	0.9	4.7	2.7	3.7	8.9	3.8	3.7	12.7	5.7
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	26	0.0	5.4	*	7.7	9.2	*	11.5	12.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	7.5	*	0.0	10.3	*	0.0	13.2	*
Chronic Obstructive Pulmonary Disease	24	0.0	5.4	*	8.3	9.5	*	12.5	12.8	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CLINICA DR PILA

P O Box 1910 Las Americas Ave
Ponce, PR 00731

Medicare Provider Number: 400003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,085	10.3	8.5	1.2	13.7	12.8	1.1	16.8	16.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	31	29.0	26.4	*	29.0	29.3	*	32.3	32.5	*
Congestive Heart Failure	63	19.0	15.2	5.9	27.0	23.4	6.6	30.2	30.2	5.9
Pneumonia/Influenza	55	23.6	15.2	8.9	25.5	20.3	9.2	32.7	24.5	10.1
Chronic Obstructive Pulmonary Disease	13	0.0	4.4	*	7.7	8.9	*	7.7	13.1	*
Transient Cerebral Ischemia	27	3.7	1.9	*	3.7	4.2	*	7.4	6.7	*
Stroke	41	31.7	21.6	*	36.6	28.1	*	46.3	32.4	*
Hip Fracture	20	25.0	6.8	*	25.0	11.5	*	30.0	14.6	*
Sepsis	19	47.4	27.2	*	52.6	35.7	*	57.9	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.1	*	0.0	3.8	*	0.0	5.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	12.5	6.8	*	12.5	11.6	*	12.5	14.5	*
Open Reduction of Hip Fracture	2	0.0	5.5	*	0.0	9.8	*	50.0	12.5	*
Prostatectomy	52	5.8	2.6	3.0	9.6	5.3	4.1	9.6	8.0	4.0
Cholecystectomy	21	4.8	1.8	*	4.8	3.3	*	4.8	4.5	*
Hysterectomy	8	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 183
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 12
Registered Nurses 100
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

CLINICA DR PILA

Medicare Provider Number: 400003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,145	9.8	8.9	1.0	14.2	13.4	1.3	18.2	17.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	29	24.1	25.1	*	24.1	28.1	*	27.6	31.5	*
Congestive Heart Failure	62	17.7	16.7	6.1	27.4	25.1	6.2	30.6	31.9	6.5
Pneumonia/Influenza	74	16.2	16.6	4.4	23.0	22.0	5.5	27.0	26.2	5.2
Chronic Obstructive Pulmonary Disease	14	0.0	6.4	*	7.1	13.2	*	7.1	19.1	*
Transient Cerebral Ischemia	19	0.0	1.7	*	0.0	3.9	*	0.0	6.2	*
Stroke	61	27.9	19.7	8.1	34.4	26.8	7.3	39.3	31.2	7.5
Hip Fracture	13	7.7	7.9	*	7.7	14.0	*	7.7	17.7	*
Sepsis	15	40.0	27.9	*	60.0	34.8	*	60.0	40.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	6.4	*	28.6	11.8	*	42.9	16.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	6.6	*	0.0	12.1	*	0.0	15.4	*
Open Reduction of Hip Fracture	1	0.0	5.2	*	0.0	10.4	*	0.0	13.9	*
Prostatectomy	52	0.0	1.9	2.5	1.9	4.2	3.4	3.8	6.7	4.2
Cholecystectomy	36	0.0	2.7	*	2.8	4.8	*	2.8	6.2	*
Hysterectomy	13	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	883	10.4	8.9	1.4	14.6	13.1	1.6	17.6	16.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	53.6	33.4	*	57.1	37.2	*	57.1	41.1	*
Congestive Heart Failure	57	19.3	17.2	5.8	26.3	25.5	5.8	28.1	32.3	7.2
Pneumonia/Influenza	56	16.1	19.2	7.0	23.2	25.3	6.7	28.6	29.9	6.8
Chronic Obstructive Pulmonary Disease	20	20.0	7.4	*	20.0	13.7	*	20.0	19.2	*
Transient Cerebral Ischemia	10	0.0	1.9	*	20.0	4.1	*	20.0	6.5	*
Stroke	51	15.7	21.6	9.9	23.5	28.1	10.3	29.4	32.7	7.8
Hip Fracture	9	11.1	4.5	*	11.1	8.0	*	11.1	10.5	*
Sepsis	4	100.0	31.1	*	100.0	41.0	*	100.0	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.5	*	0.0	3.1	*	0.0	4.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	5.0	*	33.3	9.6	*	33.3	12.7	*
Open Reduction of Hip Fracture	2	0.0	1.9	*	0.0	3.7	*	0.0	5.0	*
Prostatectomy	34	0.0	1.2	*	0.0	2.9	*	2.9	4.7	*
Cholecystectomy	17	5.9	2.5	*	5.9	4.6	*	5.9	6.1	*
Hysterectomy	4	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

CLINICA ESPANOLA INC

Box 490 La Quinta
Mayaguez, PR 00709

Medicare Provider Number: 400024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	544	8.3	9.9	1.6	12.7	15.5	2.3	16.9	20.0	2.8
CONDITIONS:										
Acute Myocardial Infarction	12	33.3	27.9	*	33.3	32.1	*	33.3	35.9	*
Congestive Heart Failure	45	11.1	16.7	*	22.2	25.6	*	31.1	32.8	*
Pneumonia/Influenza	38	15.8	20.9	*	26.3	28.2	*	36.8	33.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	3.5	*	0.0	7.2	*	33.3	10.7	*
Transient Cerebral Ischemia	11	0.0	2.6	*	0.0	6.2	*	0.0	10.1	*
Stroke	28	21.4	22.8	*	25.0	29.3	*	25.0	33.9	*
Hip Fracture	5	0.0	7.9	*	0.0	14.2	*	0.0	18.3	*
Sepsis	4	25.0	23.2	*	25.0	32.5	*	25.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.0	*	0.0	7.6	*	0.0	10.3	*
Open Reduction of Hip Fracture	3	0.0	7.8	*	0.0	14.1	*	0.0	18.0	*
Prostatectomy	16	0.0	1.1	*	6.3	2.9	*	6.3	5.1	*
Cholecystectomy	13	0.0	2.8	*	7.7	4.7	*	7.7	5.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds	89
Ownership/Control	Private, For Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	22
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

CLINICA ESPANOLA INC

Medicare Provider Number: 400024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	530	9.2	11.7	1.6	13.0	17.5	2.1	17.5	22.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	17	47.1	26.6	*	47.1	29.3	*	52.9	32.7	*
Congestive Heart Failure	61	6.6	18.1	6.3	13.1	27.3	7.6	23.0	34.5	7.9
Pneumonia/Influenza	45	15.6	19.5	*	20.0	26.7	*	33.3	31.7	*
Chronic Obstructive Pulmonary Disease	4	25.0	7.8	*	25.0	13.2	*	25.0	18.0	*
Transient Cerebral Ischemia	12	0.0	1.8	*	0.0	4.1	*	0.0	6.6	*
Stroke	46	17.4	22.0	*	23.9	28.9	*	26.1	33.6	*
Hip Fracture	5	0.0	7.7	*	0.0	14.5	*	20.0	19.0	*
Sepsis	1	0.0	31.0	*	0.0	39.1	*	0.0	47.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	9.5	*	0.0	18.3	*	0.0	23.8	*
Prostatectomy	13	0.0	2.1	*	0.0	5.1	*	0.0	8.2	*
Cholecystectomy	6	16.7	1.3	*	16.7	2.3	*	16.7	3.0	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	624	9.1	10.9	1.4	15.5	16.5	1.7	18.4	20.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	31.6	26.0	*	42.1	29.4	*	42.1	33.2	*
Congestive Heart Failure	54	11.1	20.4	7.5	24.1	30.6	8.4	25.9	38.5	10.5
Pneumonia/Influenza	53	22.6	20.2	5.8	24.5	27.1	6.3	28.3	32.1	6.9
Chronic Obstructive Pulmonary Disease	7	0.0	16.6	*	28.6	28.0	*	28.6	35.9	*
Transient Cerebral Ischemia	10	0.0	1.9	*	0.0	4.4	*	0.0	7.1	*
Stroke	44	18.2	22.7	*	34.1	29.8	*	38.6	34.8	*
Hip Fracture	7	0.0	6.4	*	0.0	12.5	*	14.3	16.9	*
Sepsis	2	50.0	24.4	*	50.0	29.4	*	50.0	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.5	*	0.0	8.7	*	0.0	11.9	*
Open Reduction of Hip Fracture	1	0.0	3.9	*	0.0	7.9	*	0.0	10.9	*
Prostatectomy	13	0.0	1.8	*	0.0	4.7	*	7.7	8.1	*
Cholecystectomy	20	5.0	3.5	*	10.0	6.1	*	10.0	7.7	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CLINICA ONCOLOGICA

Box 1324
Ponce, PR 00731

Medicare Provider Number: 400028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	299	14.4	13.5	2.9	28.1	25.6	4.1	38.5	35.1	4.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	20.8	*	100.0	34.4	*	100.0	45.2	*
Pneumonia/Influenza	2	100.0	32.4	*	100.0	49.9	*	100.0	60.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	1	100.0	41.0	*	100.0	51.5	*	100.0	62.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*
Cholecystectomy	3	0.0	2.4	*	33.3	4.5	*	33.3	5.9	*
Hysterectomy	3	0.0	1.0	*	0.0	2.7	*	0.0	5.0	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 86
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 2
Registered Nurses 43
Licensed Practical Nurses 11

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

** **Not used in calculating hospital mortality rates.**

CLINICA ONCOLOGICA

Medicare Provider Number: 400028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	317	7.6	11.9	2.6	20.8	23.1	2.7	30.9	32.1	2.8
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	19.1	*	0.0	29.2	*	0.0	37.3	*
Pneumonia/Influenza	1	0.0	32.1	*	100.0	49.8	*	100.0	61.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	3	33.3	1.4	*	33.3	2.7	*	33.3	3.4	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	317	11.0	10.9	1.8	22.7	22.4	3.3	36.6	32.0	3.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	14.8	*	33.3	23.1	*	33.3	30.3	*
Pneumonia/Influenza	2	0.0	20.5	*	50.0	27.6	*	50.0	32.7	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	20.0	*	0.0	27.4	*	0.0	33.4	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	14	0.0	0.6	*	0.0	1.3	*	7.1	2.3	*
Cholecystectomy	1	100.0	9.8	*	100.0	17.8	*	100.0	21.2	*
Hysterectomy	2	0.0	0.9	*	0.0	2.3	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DE DIEGO HOSPITAL

P O Box 11278
Santurce, PR 00910

Medicare Provider Number: 400008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	492	3.3	4.8	1.3	5.9	7.5	1.4	7.5	9.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	21.5	*	50.0	25.4	*	50.0	29.4	*
Congestive Heart Failure	30	0.0	11.2	*	6.7	17.9	*	16.7	23.8	*
Pneumonia/Influenza	25	12.0	15.3	*	16.0	20.6	*	16.0	24.7	*
Chronic Obstructive Pulmonary Disease	11	0.0	2.9	*	0.0	5.6	*	0.0	8.1	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.3	*	0.0	6.8	*
Stroke	8	12.5	22.3	*	12.5	29.5	*	12.5	33.8	*
Hip Fracture	3	33.3	8.1	*	33.3	13.8	*	33.3	17.3	*
Sepsis	2	0.0	20.0	*	0.0	23.7	*	0.0	27.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	50.0	4.3	*	50.0	8.3	*	50.0	11.1	*
Prostatectomy	65	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	8	0.0	1.4	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 202
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 61
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DE DIEGO HOSPITAL

Medicare Provider Number: 400008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	471	8.1	7.7	1.3	11.7	11.5	1.7	14.6	14.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	8	50.0	24.5	*	50.0	28.8	*	50.0	32.8	*
Congestive Heart Failure	23	8.7	10.1	*	17.4	15.5	*	26.1	20.7	*
Pneumonia/Influenza	16	6.3	16.4	*	6.3	21.5	*	12.5	25.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	30.1	*	0.0	39.6	*	0.0	46.1	*
Transient Cerebral Ischemia	8	0.0	3.0	*	0.0	6.5	*	0.0	10.3	*
Stroke	14	28.6	22.9	*	35.7	29.5	*	35.7	34.0	*
Hip Fracture	0									
Sepsis	4	50.0	36.1	*	75.0	43.2	*	75.0	49.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	30	0.0	0.7	*	0.0	1.6	*	3.3	2.7	*
Cholecystectomy	15	0.0	1.2	*	0.0	2.1	*	0.0	2.9	*
Hysterectomy	6	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	484	6.0	6.5	1.2	9.5	10.1	1.6	12.2	13.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	24.5	*	36.4	29.3	*	36.4	33.5	*
Congestive Heart Failure	22	9.1	14.5	*	18.2	21.9	*	22.7	28.4	*
Pneumonia/Influenza	13	0.0	13.8	*	7.7	18.6	*	15.4	22.3	*
Chronic Obstructive Pulmonary Disease	7	0.0	9.6	*	0.0	17.5	*	14.3	24.0	*
Transient Cerebral Ischemia	6	0.0	2.9	*	0.0	6.5	*	0.0	10.4	*
Stroke	11	18.2	21.0	*	18.2	28.1	*	18.2	32.6	*
Hip Fracture	1	100.0	12.0	*	100.0	18.8	*	100.0	22.3	*
Sepsis	2	50.0	31.1	*	100.0	39.2	*	100.0	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.1	*	25.0	4.4	*	25.0	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	48	0.0	0.6	*	2.1	1.4	*	4.2	2.5	*
Cholecystectomy	15	0.0	2.1	*	0.0	3.5	*	6.7	4.7	*
Hysterectomy	6	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DEL MAESTRO HOSPITAL

Sergio Cuevas Bustamante St
Hato Rey, PR 00919

Medicare Provider Number: 400004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,986	8.5	9.0	0.7	12.9	13.4	0.8	15.6	17.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	50	32.0	28.4	*	36.0	31.3	*	36.0	34.4	*
Congestive Heart Failure	94	9.6	15.2	5.4	14.9	23.0	6.1	22.3	29.7	6.7
Pneumonia/Influenza	84	21.4	18.4	5.4	25.0	24.2	4.9	27.4	28.7	5.1
Chronic Obstructive Pulmonary Disease	20	5.0	9.4	*	5.0	16.0	*	5.0	21.9	*
Transient Cerebral Ischemia	20	0.0	2.3	*	10.0	5.0	*	15.0	8.0	*
Stroke	95	10.5	17.7	5.9	18.9	24.6	5.7	23.2	28.9	5.7
Hip Fracture	38	10.5	7.7	*	13.2	13.3	*	15.8	16.9	*
Sepsis	34	41.2	41.6	*	58.8	50.2	*	61.8	56.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	5.8	*	11.1	9.5	*	11.1	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	4.0	*	5.9	6.9	*	5.9	8.9	*
Open Reduction of Hip Fracture	23	4.3	6.6	*	8.7	12.3	*	13.0	16.1	*
Prostatectomy	95	1.1	0.6	1.0	1.1	1.4	2.4	4.2	2.4	3.2
Cholecystectomy	53	1.9	1.9	1.9	5.7	3.1	3.3	5.7	3.9	3.6
Hysterectomy	24	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 327
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 84
Licensed Practical Nurses 66

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DEL MAESTRO HOSPITAL

Medicare Provider Number: 400004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,244	8.0	8.1	0.8	11.9	12.0	0.8	14.4	15.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	29.0	*	42.0	32.1	*	44.0	35.5	*
Congestive Heart Failure	93	14.0	15.5	4.3	21.5	23.5	5.1	23.7	30.1	7.5
Pneumonia/Influenza	76	15.8	20.0	5.9	26.3	26.4	5.2	30.3	31.1	6.1
Chronic Obstructive Pulmonary Disease	25	4.0	10.8	*	12.0	19.1	*	20.0	26.1	*
Transient Cerebral Ischemia	27	3.7	2.0	*	3.7	4.3	*	3.7	6.8	*
Stroke	80	25.0	18.7	7.4	33.7	26.0	7.8	33.7	30.8	5.8
Hip Fracture	40	0.0	7.2	*	2.5	13.0	*	7.5	16.7	*
Sepsis	33	33.3	38.6	*	48.5	45.1	*	57.6	51.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	7.1	6.0	*	7.1	8.9	*	7.1	11.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	5.7	*	0.0	10.3	*	0.0	13.1	*
Open Reduction of Hip Fracture	26	0.0	6.3	*	3.8	12.1	*	11.5	16.0	*
Prostatectomy	135	0.7	0.6	0.7	0.7	1.3	1.7	3.0	2.2	1.9
Cholecystectomy	76	2.6	2.2	2.2	3.9	3.9	2.3	3.9	5.1	2.9
Hysterectomy	32	0.0	1.6	*	0.0	3.2	*	0.0	4.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	661	10.3	9.8	1.5	13.9	14.1	1.6	18.3	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	14	57.1	36.6	*	57.1	40.7	*	64.3	44.6	*
Congestive Heart Failure	33	21.2	17.5	*	33.3	25.7	*	33.3	32.5	*
Pneumonia/Influenza	25	12.0	19.2	*	28.0	25.1	*	32.0	29.7	*
Chronic Obstructive Pulmonary Disease	14	21.4	17.0	*	21.4	25.3	*	21.4	31.3	*
Transient Cerebral Ischemia	3	0.0	2.3	*	0.0	5.0	*	66.7	8.0	*
Stroke	28	17.9	18.4	*	21.4	25.6	*	25.0	30.2	*
Hip Fracture	7	0.0	6.1	*	0.0	10.5	*	0.0	13.5	*
Sepsis	6	0.0	32.9	*	16.7	38.4	*	33.3	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	2.1	*	8.3	4.6	*	8.3	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.6	*	0.0	4.7	*	0.0	6.2	*
Open Reduction of Hip Fracture	4	0.0	5.4	*	0.0	10.3	*	0.0	13.7	*
Prostatectomy	23	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	16	6.3	3.0	*	6.3	5.1	*	6.3	6.3	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

DOCTORS CENTER HOSPITAL

P O Box 532
Manati, PR 00701

Medicare Provider Number: 400118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	356	4.8	7.2	1.8	7.3	11.5	2.2	10.1	15.2	2.6
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	24.6	*	0.0	31.0	*	0.0	36.1	*
Congestive Heart Failure	28	3.6	12.8	*	7.1	20.5	*	14.3	27.1	*
Pneumonia/Influenza	38	0.0	14.1	*	0.0	19.0	*	2.6	22.9	*
Chronic Obstructive Pulmonary Disease	4	25.0	4.9	*	25.0	10.5	*	50.0	16.1	*
Transient Cerebral Ischemia	9	0.0	1.7	*	0.0	3.7	*	11.1	5.9	*
Stroke	8	25.0	15.6	*	37.5	20.9	*	37.5	25.1	*
Hip Fracture	2	0.0	3.0	*	0.0	5.4	*	0.0	7.1	*
Sepsis	2	50.0	25.6	*	100.0	30.5	*	100.0	35.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	1.3	*	0.0	2.7	*	0.0	3.8	*
Open Reduction of Hip Fracture	1	0.0	4.0	*	0.0	7.4	*	0.0	9.7	*
Prostatectomy	17	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*
Cholecystectomy	6	0.0	1.1	*	16.7	2.1	*	16.7	3.2	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 112
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 66
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DOCTORS CENTER HOSPITAL

Medicare Provider Number: 400118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	297	2.4	6.2	2.5	6.4	9.3	2.2	7.7	11.9	2.8
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	30.3	*	0.0	32.8	*	0.0	36.1	*
Congestive Heart Failure	10	0.0	12.3	*	40.0	19.7	*	40.0	26.1	*
Pneumonia/Influenza	31	6.5	12.5	*	6.5	16.6	*	9.7	20.1	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.2	*	0.0	9.1	*	0.0	12.6	*
Transient Cerebral Ischemia	5	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	5	0.0	13.1	*	0.0	18.3	*	20.0	22.0	*
Hip Fracture	2	0.0	7.4	*	0.0	14.1	*	0.0	18.5	*
Sepsis	7	14.3	29.8	*	28.6	39.0	*	28.6	45.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	9.2	*	0.0	18.4	*	0.0	24.5	*
Open Reduction of Hip Fracture	1	0.0	4.3	*	0.0	8.3	*	0.0	11.1	*
Prostatectomy	12	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*
Cholecystectomy	12	0.0	2.0	*	0.0	3.3	*	8.3	4.3	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	78	1.3	6.3	3.6	5.1	10.4	4.7	6.4	13.9	5.4
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	4	0.0	9.0	*	0.0	14.1	*	0.0	19.0	*
Pneumonia/Influenza	3	0.0	19.7	*	33.3	26.0	*	33.3	31.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	8.1	*	0.0	14.4	*	0.0	19.4	*
Transient Cerebral Ischemia	1	0.0	0.8	*	0.0	1.7	*	0.0	2.5	*
Stroke	1	0.0	19.4	*	0.0	26.7	*	0.0	32.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.7	*
Hysterectomy	1	0.0	1.2	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOCTORS HOSPITAL

P O Box 11338
Santurce, PR 00910

Medicare Provider Number: 400006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	566	7.4	7.4	1.1	11.1	11.1	1.4	13.3	14.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	23.7	*	35.0	28.0	*	40.0	31.9	*
Congestive Heart Failure	16	6.3	11.2	*	6.3	17.2	*	6.3	22.5	*
Pneumonia/Influenza	16	12.5	17.3	*	25.0	22.9	*	25.0	27.4	*
Chronic Obstructive Pulmonary Disease	4	0.0	4.4	*	25.0	8.1	*	25.0	11.9	*
Transient Cerebral Ischemia	5	0.0	1.6	*	20.0	3.3	*	20.0	5.3	*
Stroke	20	5.0	19.1	*	15.0	25.8	*	20.0	30.0	*
Hip Fracture	4	0.0	10.4	*	25.0	18.0	*	25.0	22.4	*
Sepsis	5	60.0	38.0	*	60.0	44.1	*	60.0	50.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	4.3	*	50.0	7.1	*	50.0	9.7	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	1	0.0	7.6	*	0.0	14.1	*	0.0	19.6	*
Open Reduction of Hip Fracture	2	0.0	4.7	*	50.0	9.4	*	50.0	12.8	*
Prostatectomy	21	4.8	0.7	*	4.8	1.6	*	4.8	2.6	*
Cholecystectomy	13	0.0	1.0	*	0.0	1.7	*	0.0	2.2	*
Hysterectomy	11	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 160
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 42
Licensed Practical Nurses 50

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DOCTORS HOSPITAL

Medicare Provider Number: 400006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	649	7.2	6.6	1.1	9.9	10.3	1.4	12.6	13.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	22.5	*	41.2	26.4	*	41.2	30.3	*
Congestive Heart Failure	27	7.4	15.7	*	11.1	23.8	*	18.5	30.3	*
Pneumonia/Influenza	11	18.2	15.6	*	27.3	20.7	*	27.3	24.8	*
Chronic Obstructive Pulmonary Disease	6	16.7	6.5	*	16.7	10.8	*	16.7	14.8	*
Transient Cerebral Ischemia	11	9.1	2.0	*	9.1	4.4	*	18.2	6.9	*
Stroke	15	20.0	21.0	*	26.7	28.9	*	40.0	33.9	*
Hip Fracture	5	0.0	8.7	*	0.0	14.6	*	0.0	18.4	*
Sepsis	4	50.0	30.7	*	50.0	44.2	*	100.0	51.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.6	*	0.0	4.2	*	0.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.4	*	0.0	6.1	*	0.0	8.0	*
Open Reduction of Hip Fracture	4	0.0	8.7	*	0.0	15.4	*	0.0	19.7	*
Prostatectomy	19	0.0	1.0	*	0.0	2.4	*	5.3	4.0	*
Cholecystectomy	30	0.0	3.1	*	10.0	5.8	*	10.0	7.6	*
Hysterectomy	9	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	741	6.1	4.9	1.2	8.9	7.8	1.1	10.3	10.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	25.1	*	35.7	29.4	*	35.7	33.2	*
Congestive Heart Failure	15	20.0	13.7	*	40.0	21.2	*	46.7	27.7	*
Pneumonia/Influenza	8	37.5	20.4	*	37.5	26.5	*	37.5	31.2	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.7	*	0.0	11.8	*	0.0	15.9	*
Transient Cerebral Ischemia	12	0.0	1.5	*	0.0	3.2	*	0.0	5.2	*
Stroke	21	33.3	20.5	*	33.3	26.7	*	38.1	30.9	*
Hip Fracture	12	8.3	5.8	*	16.7	10.5	*	16.7	13.7	*
Sepsis	1	100.0	44.6	*	100.0	49.2	*	100.0	54.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	3	0.0	6.0	*	0.0	11.0	*	0.0	14.2	*
Open Reduction of Hip Fracture	8	0.0	4.9	*	12.5	9.6	*	12.5	12.9	*
Prostatectomy	16	6.3	0.7	*	6.3	1.8	*	6.3	3.0	*
Cholecystectomy	17	0.0	2.6	*	0.0	5.3	*	0.0	7.5	*
Hysterectomy	8	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

DR ALEJANDRO OTERO LOPEZ HOSPITAL

State Rd 668 Hdez Carrion St
Urb Atenas Manati, PR 00701

Medicare Provider Number: 400114

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,949	9.6	9.2	0.7	14.2	13.4	1.0	16.7	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	67	34.3	28.6	9.4	41.8	32.2	9.9	47.8	35.7	10.2
Congestive Heart Failure	157	14.6	15.8	3.2	26.1	25.0	3.6	31.8	32.4	4.2
Pneumonia/Influenza	101	10.9	16.6	5.7	15.8	22.1	7.3	18.8	26.3	7.6
Chronic Obstructive Pulmonary Disease	18	11.1	7.0	*	11.1	12.9	*	11.1	18.0	*
Transient Cerebral Ischemia	38	7.9	2.0	*	7.9	4.4	*	7.9	7.1	*
Stroke	68	30.9	20.4	7.4	38.2	26.2	7.9	39.7	30.5	7.2
Hip Fracture	0									
Sepsis	44	31.8	36.7	*	38.6	43.1	*	40.9	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	6.6	*	7.7	11.1	*	7.7	15.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	55	0.0	1.3	2.4	1.8	2.4	3.1	5.5	3.7	3.4
Cholecystectomy	31	3.2	2.2	*	3.2	3.8	*	9.7	4.7	*
Hysterectomy	24	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 156
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 14
Registered Nurses 123
Licensed Practical Nurses 96

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DR ALEJANDRO OTERO LOPEZ HOSPITAL

Medicare Provider Number: 400114

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,749	8.2	9.2	1.2	12.1	13.4	0.9	15.5	16.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	41	9.8	26.9	*	14.6	30.2	*	17.1	33.7	*
Congestive Heart Failure	126	6.3	16.0	4.6	15.9	24.4	4.8	23.8	31.2	4.9
Pneumonia/Influenza	126	17.5	20.4	6.9	23.0	26.8	6.6	28.6	31.6	6.2
Chronic Obstructive Pulmonary Disease	66	4.5	8.8	4.5	9.1	15.2	6.5	15.2	20.9	6.8
Transient Cerebral Ischemia	25	0.0	1.9	*	0.0	4.1	*	8.0	6.4	*
Stroke	50	20.0	23.1	*	30.0	29.7	*	38.0	34.4	*
Hip Fracture	0									
Sepsis	24	29.2	44.9	*	45.8	50.7	*	58.3	56.5	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	15.4	*	20.0	20.6	*	30.0	24.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	40	0.0	0.5	*	0.0	1.3	*	2.5	2.2	*
Cholecystectomy	36	0.0	2.5	*	2.8	4.9	*	8.3	6.7	*
Hysterectomy	20	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,343	8.3	8.5	1.3	12.1	12.5	1.4	15.2	15.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	23	34.8	28.8	*	47.8	32.6	*	52.2	36.1	*
Congestive Heart Failure	68	14.7	18.0	7.7	23.5	27.0	8.4	30.9	34.1	8.7
Pneumonia/Influenza	70	20.0	19.9	6.6	27.1	25.7	8.2	28.6	30.1	6.9
Chronic Obstructive Pulmonary Disease	88	1.1	10.4	4.1	2.3	17.0	5.8	9.1	22.0	5.7
Transient Cerebral Ischemia	19	5.3	2.1	*	10.5	4.6	*	10.5	7.5	*
Stroke	22	36.4	22.0	*	40.9	29.0	*	50.0	34.0	*
Hip Fracture	0									
Sepsis	24	41.7	39.0	*	50.0	44.8	*	50.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.2	*	11.1	7.8	*	22.2	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	44	0.0	1.0	*	0.0	2.5	*	0.0	4.1	*
Cholecystectomy	28	3.6	1.5	*	7.1	2.7	*	10.7	3.7	*
Hysterectomy	19	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DR EDUARDO GARRIDO MORALES HOSPITAL

Turabo Gardens Apartado 5729
Caguas, PR 00626

Medicare Provider Number: 400104

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,259	22.9	11.6	1.8	28.6	16.2	2.3	31.5	20.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	55	36.4	27.5	9.0	41.8	30.8	8.8	43.6	34.4	9.1
Congestive Heart Failure	64	26.6	15.4	6.8	45.3	24.0	9.0	50.0	30.9	8.7
Pneumonia/Influenza	130	33.8	18.6	4.8	40.0	24.8	5.0	44.6	29.7	5.1
Chronic Obstructive Pulmonary Disease	3	33.3	11.9	*	33.3	18.9	*	33.3	24.6	*
Transient Cerebral Ischemia	32	28.1	1.9	*	34.4	4.3	*	34.4	6.9	*
Stroke	58	31.0	23.0	9.8	39.7	29.5	10.9	43.1	34.0	11.9
Hip Fracture	22	18.2	4.7	*	31.8	8.6	*	36.4	11.4	*
Sepsis	26	84.6	38.5	*	88.5	44.9	*	88.5	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	42.9	8.3	*	42.9	12.4	*	42.9	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	3.5	*	28.6	6.6	*	42.9	8.7	*
Open Reduction of Hip Fracture	11	9.1	4.2	*	9.1	8.1	*	9.1	11.1	*
Prostatectomy	47	0.0	0.7	*	0.0	1.8	*	2.1	3.1	*
Cholecystectomy	33	6.1	2.3	*	9.1	4.1	*	12.1	5.5	*
Hysterectomy	27	7.4	0.5	*	7.4	1.0	*	7.4	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 373
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 74
Registered Nurses 357
Licensed Practical Nurses 117

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... Yes
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

DR EDUARDO GARRIDO MORALES HOSPITAL

Medicare Provider Number: 400104

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,353	21.7	11.8	1.6	26.5	16.3	1.5	30.2	20.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	78	48.7	27.9	7.1	48.7	31.0	7.0	50.0	34.7	6.7
Congestive Heart Failure	40	30.0	15.3	*	37.5	23.3	*	40.0	29.8	*
Pneumonia/Influenza	99	30.3	20.2	5.5	40.4	26.8	6.8	48.5	31.8	7.7
Chronic Obstructive Pulmonary Disease	4	0.0	8.9	*	0.0	14.2	*	0.0	19.1	*
Transient Cerebral Ischemia	16	31.3	2.2	*	43.8	4.9	*	43.8	7.8	*
Stroke	47	34.0	20.3	*	42.6	26.9	*	51.1	31.5	*
Hip Fracture	22	13.6	6.5	*	22.7	12.1	*	27.3	15.8	*
Sepsis	49	69.4	40.2	*	75.5	47.2	*	77.6	53.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.2	*	0.0	10.2	*	0.0	13.5	*
Open Reduction of Hip Fracture	10	10.0	5.3	*	20.0	10.6	*	30.0	14.3	*
Prostatectomy	57	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	25	0.0	2.6	*	4.0	4.9	*	4.0	6.6	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,157	21.6	12.9	2.1	27.1	17.4	1.8	31.0	20.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	55	38.2	31.2	8.7	41.8	34.9	8.2	41.8	39.0	6.9
Congestive Heart Failure	41	24.4	13.7	*	29.3	20.4	*	41.5	26.3	*
Pneumonia/Influenza	83	32.5	17.4	6.7	39.8	23.3	7.3	43.4	27.9	7.3
Chronic Obstructive Pulmonary Disease	16	12.5	12.4	*	18.8	20.3	*	18.8	26.0	*
Transient Cerebral Ischemia	9	11.1	1.6	*	11.1	3.3	*	22.2	5.2	*
Stroke	21	38.1	20.4	*	47.6	26.2	*	52.4	30.5	*
Hip Fracture	21	0.0	5.5	*	9.5	9.8	*	19.0	12.7	*
Sepsis	32	75.0	36.3	*	84.4	42.3	*	87.5	48.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.2	*	0.0	3.0	*	0.0	4.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.2	*	0.0	7.4	*	0.0	9.7	*
Open Reduction of Hip Fracture	9	0.0	5.2	*	11.1	9.6	*	22.2	12.5	*
Prostatectomy	8	0.0	0.5	*	0.0	1.1	*	12.5	1.9	*
Cholecystectomy	18	11.1	3.2	*	11.1	5.0	*	11.1	6.3	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DR GUBERNS HOSPITAL

Antonio R Barcelo 110
Fajardo, PR 00648

Medicare Provider Number: 400094

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	211	12.3	7.7	2.9	15.6	11.6	3.0	17.1	14.8	2.7
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	34.4	*	20.0	39.9	*	20.0	44.1	*
Congestive Heart Failure	15	26.7	15.5	*	40.0	24.8	*	40.0	32.5	*
Pneumonia/Influenza	16	37.5	15.6	*	37.5	21.3	*	37.5	25.8	*
Chronic Obstructive Pulmonary Disease	4	0.0	4.7	*	0.0	7.8	*	25.0	10.6	*
Transient Cerebral Ischemia	1	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*
Stroke	16	18.8	13.4	*	18.8	19.5	*	18.8	23.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	15	0.0	0.3	*	0.0	0.7	*	0.0	1.3	*
Cholecystectomy	11	0.0	1.7	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 51
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 15
Licensed Practical Nurses 11

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DR GUBERNS HOSPITAL

Medicare Provider Number: 400094

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	299	4.0	6.4	2.4	8.0	9.5	3.0	9.4	12.0	3.5
CONDITIONS:										
Acute Myocardial Infarction	15	0.0	27.9	*	6.7	30.7	*	6.7	33.7	*
Congestive Heart Failure	7	14.3	11.4	*	28.6	18.0	*	28.6	23.8	*
Pneumonia/Influenza	17	5.9	15.4	*	23.5	20.5	*	23.5	24.6	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.9	*	0.0	10.9	*	0.0	14.3	*
Transient Cerebral Ischemia	2	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Stroke	14	14.3	16.9	*	28.6	24.5	*	28.6	29.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	29	3.4	0.4	*	6.9	1.0	*	6.9	1.7	*
Cholecystectomy	15	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	320	6.9	6.2	1.5	10.3	9.6	1.8	14.1	12.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	31.3	*	22.2	34.2	*	33.3	37.7	*
Congestive Heart Failure	16	25.0	15.6	*	31.3	24.1	*	43.8	30.8	*
Pneumonia/Influenza	15	13.3	16.5	*	20.0	22.4	*	20.0	27.1	*
Chronic Obstructive Pulmonary Disease	5	0.0	14.9	*	0.0	24.3	*	0.0	31.0	*
Transient Cerebral Ischemia	3	0.0	1.3	*	0.0	3.0	*	33.3	4.8	*
Stroke	12	16.7	13.3	*	16.7	19.6	*	25.0	23.7	*
Hip Fracture	0									
Sepsis	1	100.0	38.9	*	100.0	48.3	*	100.0	56.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	35	2.9	0.5	*	5.7	1.1	*	5.7	1.9	*
Cholecystectomy	9	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hysterectomy	1	0.0	0.0	*	0.0	0.0	*	0.0	0.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

223.1

DR. GUBERN'S HOSPITAL

P. O. BOX 846

Eastern Medical Associates, Inc.

FAJARDO. PUERTO RICO 00648

TELS. 863-0924
863-1030

December 27, 1990

40-0094 Medicare Provider Number

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2 D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

On its december meeting, the Quality Assurance Committee of Gubern's Hospital examined your Medicare Hospital Mortality Information and has the following comments:

Record [redacted] - a 68 years old female patient whose death occured at the hospital. Enclosed copy of admission summary sheet and death certificate.

Record [redacted] - a 50 years male whose death was caused by complicated liver cirrhosis (pre-comatose); not 528.9. Case was analyzed by P.R.O. See copy of admission summary sheet.

Record [redacted] - a 94 years old patient died at home of a heart condition but was stable during his hospital stay. Hospital admission due to 595.0 (urologic complication) not related to death.

Record [redacted] - a 81 years old patient died at hospital; cause 427.5. Admission was due to untractable trigeminal neuralgia (350.1).

Record [redacted] - a 71 years old patient; record reviewed and attending physician consulted. Patient died at home; on discharge was stable of her critical cardiovascular condition.

Record [redacted] - a 77 years old patient, death at the hospital of a cerebral infarct, admitted with 250.91; uncontrolled diabetes.

We greatly appreciate the opportunity given us for re-evaluating our deaths in the hospital and to offer our comments on those cases whose cause of death may appear, dubious for the Mortality analysis; we hope our data and information bring a more comprehensive analysis in each case.

Sincerely,

Felipe A. García, MD
Medical Director

FAG/nnr

DR I GONZALEZ MARTINEZ ONCOLOGY HOSPITAL

Box 1811 Centro Medico
Hato Rey, PR 00919

Medicare Provider Number: 400012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	541	7.8	9.4	1.7	16.5	18.0	2.5	23.1	25.0	3.3
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	32.9	*	50.0	38.5	*	50.0	43.0	*
Congestive Heart Failure	3	0.0	11.3	*	33.3	18.5	*	66.7	25.1	*
Pneumonia/Influenza	6	50.0	24.9	*	50.0	34.9	*	50.0	41.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	1	0.0	21.5	*	0.0	30.1	*	0.0	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	57	0.0	1.0	2.2	1.8	2.6	2.5	1.8	4.4	4.1
Cholecystectomy	4	0.0	3.7	*	0.0	7.6	*	0.0	10.6	*
Hysterectomy	18	0.0	1.3	*	0.0	3.3	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 143
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 53
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

DR I GONZALEZ MARTINEZ ONCOLOGY HOSPITAL

Medicare Provider Number: 400012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	477	10.3	10.4	1.9	19.5	20.3	2.1	27.3	28.2	2.2
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	42.5	*	50.0	48.9	*	50.0	53.0	*
Congestive Heart Failure	4	25.0	16.3	*	75.0	24.7	*	75.0	31.7	*
Pneumonia/Influenza	1	0.0	26.3	*	0.0	37.1	*	0.0	43.9	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	100.0	16.4	*	100.0	26.6	*	100.0	33.7	*
Hip Fracture	0									
Sepsis	2	50.0	24.2	*	100.0	42.9	*	100.0	53.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	35	2.9	0.9	*	2.9	2.1	*	2.9	3.4	*
Cholecystectomy	3	0.0	1.4	*	0.0	2.4	*	0.0	3.2	*
Hysterectomy	6	0.0	2.0	*	0.0	4.1	*	0.0	6.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	490	13.3	9.7	2.4	22.0	18.6	2.7	30.4	25.7	3.4
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	3	66.7	22.9	*	66.7	33.6	*	66.7	41.4	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.9	*	0.0	8.9	*	100.0	12.2	*
Transient Cerebral Ischemia	1	0.0	2.5	*	0.0	5.7	*	0.0	9.4	*
Stroke	4	50.0	17.1	*	50.0	23.8	*	50.0	28.2	*
Hip Fracture	0									
Sepsis	2	0.0	29.9	*	0.0	47.4	*	0.0	58.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	21	0.0	0.7	*	0.0	1.7	*	0.0	3.0	*
Cholecystectomy	8	0.0	2.1	*	0.0	4.6	*	0.0	6.9	*
Hysterectomy	10	0.0	1.1	*	0.0	2.3	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DR RAMON RUIZ ARNAU BAYAMON REGIONAL

Laurel Ave Santa Juanita
Bayamon, PR 00619

Medicare Provider Number: 400105

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,489	18.2	10.9	1.3	24.3	15.7	1.4	28.5	19.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	68	27.9	26.3	5.6	32.4	29.0	5.9	35.3	32.0	6.2
Congestive Heart Failure	107	20.6	15.7	6.2	29.9	23.9	8.2	36.4	30.6	9.2
Pneumonia/Influenza	102	37.3	16.9	4.2	45.1	22.4	4.6	50.0	26.7	5.0
Chronic Obstructive Pulmonary Disease	8	25.0	6.0	*	25.0	11.8	*	25.0	17.0	*
Transient Cerebral Ischemia	5	0.0	2.4	*	0.0	5.3	*	20.0	8.6	*
Stroke	61	24.6	21.3	6.0	31.1	27.3	7.1	39.3	31.4	9.4
Hip Fracture	53	9.4	6.3	6.6	22.6	11.2	7.4	22.6	14.4	8.2
Sepsis	25	80.0	31.8	*	80.0	38.1	*	84.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.0	*	0.0	2.2	*	0.0	3.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	6.3	*	21.4	11.2	*	21.4	14.4	*
Open Reduction of Hip Fracture	21	4.8	5.3	*	9.5	9.9	*	9.5	13.1	*
Prostatectomy	41	2.4	0.7	*	2.4	1.6	*	4.9	2.8	*
Cholecystectomy	24	4.2	1.9	*	4.2	3.3	*	4.2	4.2	*
Hysterectomy	5	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 415
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 266
Licensed Practical Nurses 200

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

** Not used in calculating hospital mortality rates.

DR RAMON RUIZ ARNAU BAYAMON REGIONAL

Medicare Provider Number: 400105

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,580	17.9	10.5	1.2	22.9	15.0	1.1	27.5	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	81	33.3	27.2	8.6	39.5	30.1	9.4	40.7	33.3	10.4
Congestive Heart Failure	62	16.1	14.9	5.6	29.0	22.2	9.8	38.7	28.5	11.6
Pneumonia/Influenza	107	31.8	18.1	5.8	40.2	23.8	6.3	43.9	28.3	6.3
Chronic Obstructive Pulmonary Disease	21	14.3	7.2	*	23.8	13.1	*	33.3	18.3	*
Transient Cerebral Ischemia	18	5.6	2.0	*	5.6	4.4	*	11.1	7.1	*
Stroke	66	27.3	25.9	5.6	40.9	32.3	8.4	45.5	36.7	10.8
Hip Fracture	54	14.8	6.0	6.6	16.7	11.1	6.8	20.4	14.4	6.7
Sepsis	32	71.9	31.7	*	75.0	39.7	*	75.0	45.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.9	*	0.0	6.2	*	0.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	10.0	5.6	*	15.0	10.5	*	15.0	13.7	*
Open Reduction of Hip Fracture	20	15.0	4.8	*	15.0	9.4	*	25.0	12.5	*
Prostatectomy	69	0.0	0.8	1.6	0.0	1.8	3.4	4.3	2.8	2.7
Cholecystectomy	27	3.7	2.4	*	3.7	4.6	*	7.4	6.0	*
Hysterectomy	5	0.0	0.7	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,242	15.9	10.4	1.0	22.3	14.7	1.4	25.9	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	62	41.9	27.3	8.9	43.5	30.2	8.7	45.2	33.3	8.1
Congestive Heart Failure	64	12.5	17.5	8.3	20.3	26.6	7.6	32.8	34.0	6.0
Pneumonia/Influenza	71	29.6	16.3	7.1	38.0	21.4	7.6	40.8	25.5	8.2
Chronic Obstructive Pulmonary Disease	11	18.2	15.4	*	27.3	24.3	*	27.3	30.3	*
Transient Cerebral Ischemia	11	9.1	1.8	*	9.1	3.6	*	9.1	5.7	*
Stroke	39	53.8	28.2	*	64.1	33.6	*	66.7	37.6	*
Hip Fracture	22	13.6	5.8	*	22.7	10.7	*	31.8	14.1	*
Sepsis	18	72.2	36.8	*	77.8	44.1	*	88.9	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.2	*	20.0	10.8	*	40.0	16.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.1	*	0.0	6.2	*	0.0	8.5	*
Open Reduction of Hip Fracture	7	14.3	6.6	*	28.6	13.1	*	42.9	17.6	*
Prostatectomy	41	0.0	1.1	*	7.3	2.7	*	9.8	4.7	*
Cholecystectomy	30	3.3	2.6	*	13.3	4.6	*	13.3	6.0	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

227.1

Hospital Provider: 400105

ESTADO LIBRE ASOCIADO DE PUERTO RICO
DEPARTAMENTO DE SALUD
HOSPITAL UNIVERSITARIO DR. RAMON RUIZ ARNAU
BAYAMON, PUERTO RICO

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
ATTENTION: MRS. SANDRA KAPPERT
2-D-2 Meadinos East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The purpose of this letter is to comment on the 1989 Medicare Hospital Mortality Information Report concerning our institution.

We received this publication late last week and left of us a short time in which to review the information and respond in time for publication.

After reviewing the data against last year's report we noticed that with the new methodology used, our mortality predicted rates were lower when, our patient volume and characteristics, as well as our faculty and hospital characteristics have remainded the same (although we are aware that the latter two are not taken into consideration for the mortality rates).

When studying the data we observe that the range of mortality in the majority of the eight identified conditions fall within the predicted range with a confidence level of 99%. The exceptions which fall outside our predicted range are pneumonia/influenza and sepsis (of which the number of cases was to small to permit a satisfactory estimation of the standard deviation). Considering that deaths from these eight conditions out of a total 271 deaths make up for 44.6% of deaths for all diagnoses, this makes our overall observed mortality rate what it is at 18.2% vs. a predicted 10.9 $\pm$ 1.3.

We understand that the information about these beneficiaries reaches your database through the UB 82 or HCFA-1450 forms supplied by the fiscal intermediaries and from the Social Security Administration and death certificates of the patients.

Our conclusions were: 1) A subtantial number of our admissions (74.1%) are severely disabled; 2) Age is not a significant adverse prognostic factor for mortality, except in those over 80 years; 3) the admissions performance status is a prognostic factor for mortality in all age groups; 4) a limited number of diagnostic entities are responsible for the majority of mortality, and, 5) development of intra hospital comorbid events is associated with poor outcome.

We find it of ut-most importance to note that your analysis does not take into account the severity of individuals patients secondary to other causes outside the comorbid conditions you grouped together (ej. economic status, nutritional level, etc) and this is a factor to be taken seriously for hospitals localized in areas encompaging large populations below the poverty-level. In Summary, we do not understand or accept an over all predicted mortality rate of 10.3% in a hospital such as ours, in which a proportial segment of its patients are severely ill.

The Medicare Hospital Mortality Information Report has made us aware of certain inaccuracies in our documentation of diagnosis and coding. We have been using the PPS/DRG System only in the past three years. We are working an improving this.

Cordially,

EDWIN VILLAFAÑE, MD
MEDICAL DIRECTOR

EV/lh

FAJARDO SUB REGIONAL HOSPITAL

General Valero Ave
Fajardo, PR 00648

Medicare Provider Number: 400029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,663	12.2	8.8	1.1	16.4	13.0	1.3	18.7	16.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	57	28.1	27.9	5.9	29.8	31.0	6.3	35.1	34.5	6.4
Congestive Heart Failure	109	17.4	14.7	5.3	25.7	22.8	5.0	28.4	29.5	4.5
Pneumonia/Influenza	51	35.3	18.4	8.8	43.1	24.2	9.2	47.1	28.6	9.8
Chronic Obstructive Pulmonary Disease	9	0.0	3.6	*	11.1	7.9	*	11.1	12.0	*
Transient Cerebral Ischemia	34	2.9	2.0	*	5.9	4.7	*	17.6	7.5	*
Stroke	62	29.0	20.5	10.8	32.3	26.0	10.7	35.5	30.3	9.1
Hip Fracture	19	15.8	5.5	*	15.8	9.6	*	21.1	12.4	*
Sepsis	30	63.3	42.1	*	70.0	49.3	*	76.7	55.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	13	7.7	4.9	*	7.7	9.1	*	15.4	12.0	*
Prostatectomy	113	0.0	0.7	1.5	1.8	1.6	2.0	3.5	2.8	2.6
Cholecystectomy	35	0.0	1.0	*	0.0	1.6	*	2.9	2.2	*
Hysterectomy	15	0.0	0.3	*	0.0	0.7	*	6.7	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 180
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 97
Licensed Practical Nurses 103

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

FAJARDO SUB REGIONAL HOSPITAL

Medicare Provider Number: 400029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,373	11.3	9.7	1.2	16.2	13.8	1.5	18.8	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	60	18.3	27.5	8.4	20.0	30.3	8.7	21.7	33.8	9.5
Congestive Heart Failure	65	16.9	14.7	4.8	24.6	22.3	6.7	30.8	28.8	6.0
Pneumonia/Influenza	44	20.5	17.5	*	22.7	23.4	*	27.3	28.0	*
Chronic Obstructive Pulmonary Disease	39	7.7	10.1	*	7.7	16.9	*	10.3	22.6	*
Transient Cerebral Ischemia	9	22.2	3.0	*	22.2	6.6	*	22.2	10.4	*
Stroke	75	30.7	21.3	8.4	40.0	27.5	8.9	42.7	32.2	8.3
Hip Fracture	15	0.0	6.9	*	0.0	11.5	*	0.0	14.6	*
Sepsis	30	53.3	36.6	*	70.0	43.7	*	70.0	50.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	9.3	*	0.0	13.2	*	100.0	16.2	*
Open Reduction of Hip Fracture	10	0.0	7.1	*	0.0	12.0	*	0.0	15.4	*
Prostatectomy	92	0.0	0.7	1.1	1.1	1.8	1.6	3.3	3.0	1.9
Cholecystectomy	29	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	16	0.0	0.3	*	0.0	0.6	*	6.3	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,271	10.6	8.8	1.1	14.9	12.8	1.3	18.3	16.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	26.3	29.1	*	31.6	32.1	*	42.1	35.7	*
Congestive Heart Failure	65	16.9	16.8	6.6	23.1	25.1	5.9	30.8	31.8	6.2
Pneumonia/Influenza	47	23.4	17.9	*	25.5	23.3	*	29.8	27.6	*
Chronic Obstructive Pulmonary Disease	48	8.3	13.8	*	12.5	22.4	*	12.5	28.4	*
Transient Cerebral Ischemia	13	0.0	2.4	*	0.0	5.3	*	0.0	8.4	*
Stroke	34	26.5	21.8	*	35.3	27.4	*	38.2	31.9	*
Hip Fracture	7	0.0	6.6	*	14.3	11.8	*	28.6	15.4	*
Sepsis	10	50.0	40.4	*	70.0	46.6	*	70.0	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.0	*	0.0	6.1	*	0.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	0.0	6.3	*	25.0	12.0	*	50.0	15.9	*
Prostatectomy	73	8.2	1.0	2.7	8.2	2.3	3.1	9.6	4.0	3.7
Cholecystectomy	21	4.8	1.2	*	4.8	2.0	*	4.8	2.6	*
Hysterectomy	13	7.7	0.5	*	7.7	0.9	*	7.7	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FONT MARTELLO HOSPITAL

Box 639
Humacao, PR 00661

Medicare Provider Number: 400005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	8.1	8.8	1.2	10.3	13.0	1.6	12.7	16.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	14	42.9	27.1	*	50.0	30.5	*	50.0	34.2	*
Congestive Heart Failure	58	8.6	15.4	6.0	10.3	24.0	8.3	15.5	31.0	9.5
Pneumonia/Influenza	26	3.8	14.7	*	3.8	19.9	*	7.7	24.0	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.4	*	0.0	6.5	*	100.0	9.4	*
Transient Cerebral Ischemia	25	0.0	1.8	*	0.0	3.9	*	4.0	6.3	*
Stroke	22	36.4	15.6	*	45.5	21.7	*	45.5	25.6	*
Hip Fracture	7	14.3	8.7	*	14.3	15.8	*	28.6	20.7	*
Sepsis	19	26.3	34.0	*	31.6	39.6	*	31.6	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.9	*	0.0	7.7	*	0.0	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.4	*	0.0	4.7	*	0.0	6.4	*
Open Reduction of Hip Fracture	4	25.0	8.1	*	25.0	15.6	*	50.0	21.0	*
Prostatectomy	19	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	8	25.0	3.7	*	25.0	6.3	*	25.0	8.2	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 105
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 42
Licensed Practical Nurses 42

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

FONT MARTELLO HOSPITAL

Medicare Provider Number: 400005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	660	6.4	7.7	1.2	8.6	11.4	1.6	10.3	14.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	13	46.2	27.8	*	46.2	31.5	*	46.2	35.4	*
Congestive Heart Failure	40	7.5	17.0	*	12.5	25.2	*	17.5	31.8	*
Pneumonia/Influenza	19	10.5	13.8	*	10.5	18.5	*	21.1	22.4	*
Chronic Obstructive Pulmonary Disease	15	6.7	11.3	*	13.3	18.3	*	20.0	24.2	*
Transient Cerebral Ischemia	27	0.0	2.2	*	3.7	4.8	*	3.7	7.5	*
Stroke	18	16.7	20.8	*	22.2	27.6	*	22.2	32.0	*
Hip Fracture	1	0.0	4.2	*	0.0	7.6	*	0.0	9.9	*
Sepsis	15	20.0	29.8	*	33.3	35.3	*	33.3	40.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.9	*	0.0	9.3	*	0.0	12.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*
Open Reduction of Hip Fracture	1	0.0	3.6	*	0.0	6.9	*	0.0	9.2	*
Prostatectomy	14	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	11	0.0	1.5	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	7	0.0	2.3	*	0.0	3.5	*	0.0	4.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	565	6.5	8.0	1.6	9.6	11.6	1.9	11.9	14.7	2.3
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	30.3	*	28.6	33.2	*	28.6	36.6	*
Congestive Heart Failure	25	24.0	18.5	*	28.0	26.2	*	40.0	32.8	*
Pneumonia/Influenza	14	14.3	15.1	*	21.4	19.8	*	21.4	23.8	*
Chronic Obstructive Pulmonary Disease	19	0.0	14.4	*	0.0	23.3	*	0.0	29.5	*
Transient Cerebral Ischemia	20	0.0	2.1	*	0.0	4.4	*	0.0	7.1	*
Stroke	22	9.1	17.7	*	13.6	23.0	*	13.6	27.1	*
Hip Fracture	2	0.0	5.4	*	0.0	9.4	*	0.0	12.5	*
Sepsis	10	30.0	40.3	*	50.0	46.5	*	60.0	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	28.3	*	100.0	61.7	*	100.0	83.7	*
Initial Pacemaker Insertion	7	0.0	5.5	*	14.3	13.4	*	14.3	22.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	10	10.0	1.3	*	10.0	2.3	*	10.0	3.1	*
Hysterectomy	9	11.1	0.2	*	11.1	0.4	*	11.1	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

GUAYAMA AREA HOSPITAL

P O Box 910
Guayama, PR 00654

Medicare Provider Number: 400048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	801	12.6	10.1	1.6	16.6	14.6	1.8	21.2	18.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	32.1	25.2	*	32.1	28.3	*	35.7	31.4	*
Congestive Heart Failure	70	18.6	15.4	5.7	22.9	23.3	5.6	32.9	29.9	6.6
Pneumonia/Influenza	52	23.1	18.5	6.7	28.8	24.8	7.7	40.4	29.5	9.2
Chronic Obstructive Pulmonary Disease	4	0.0	4.5	*	0.0	8.2	*	0.0	11.7	*
Transient Cerebral Ischemia	14	0.0	2.0	*	7.1	4.4	*	14.3	7.1	*
Stroke	62	30.6	20.6	9.9	35.5	26.6	9.8	38.7	30.9	8.7
Hip Fracture	0									
Sepsis	4	75.0	37.1	*	75.0	45.2	*	75.0	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	79	1.3	0.6	1.0	2.5	1.5	1.7	3.8	2.5	2.5
Cholecystectomy	11	0.0	2.2	*	0.0	3.3	*	0.0	3.9	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 161
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 133
Licensed Practical Nurses 67

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... Yes
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

GUAYAMA AREA HOSPITAL

Medicare Provider Number: 400048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	730	13.6	10.7	1.8	17.5	15.4	1.7	20.8	19.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	27.9	*	36.8	31.5	*	39.5	35.1	*
Congestive Heart Failure	43	9.3	14.4	*	14.0	21.7	*	18.6	28.1	*
Pneumonia/Influenza	41	31.7	18.7	*	31.7	24.4	*	39.0	28.5	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.0	*	0.0	8.6	*	0.0	12.1	*
Transient Cerebral Ischemia	7	0.0	2.3	*	0.0	5.0	*	0.0	7.7	*
Stroke	52	32.7	21.5	8.1	36.5	27.6	8.0	44.2	32.1	8.3
Hip Fracture	0									
Sepsis	8	50.0	32.9	*	50.0	40.9	*	50.0	46.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	7.9	*	0.0	14.1	*	0.0	18.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	65	0.0	0.7	1.2	0.0	1.6	2.0	1.5	2.7	2.5
Cholecystectomy	17	0.0	1.9	*	0.0	3.5	*	0.0	4.6	*
Hysterectomy	6	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	640	12.5	10.8	2.0	17.2	15.2	2.3	20.6	18.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	27.9	*	26.3	31.1	*	26.3	34.7	*
Congestive Heart Failure	42	9.5	16.8	*	14.3	25.5	*	23.8	32.4	*
Pneumonia/Influenza	24	20.8	21.1	*	25.0	27.8	*	25.0	32.8	*
Chronic Obstructive Pulmonary Disease	19	10.5	13.0	*	21.1	20.8	*	21.1	26.7	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.0	*	14.3	6.2	*
Stroke	37	35.1	20.1	*	37.8	26.5	*	45.9	31.3	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	53	0.0	0.6	1.5	1.9	1.4	2.2	3.8	2.4	3.3
Cholecystectomy	15	0.0	3.1	*	6.7	6.4	*	6.7	9.3	*
Hysterectomy	4	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HATO REY COMMUNITY HOSPITAL

435 Ponce De Leon Ave
Hato Rey, PR 00919

Medicare Provider Number: 400027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	693	5.1	5.4	1.1	7.1	8.1	1.3	8.5	10.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	15	6.7	26.0	*	13.3	30.9	*	13.3	35.0	*
Congestive Heart Failure	27	11.1	13.4	*	11.1	20.7	*	18.5	26.7	*
Pneumonia/Influenza	26	7.7	12.7	*	11.5	17.1	*	19.2	20.9	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.7	*	0.0	8.7	*	0.0	12.3	*
Transient Cerebral Ischemia	6	16.7	2.0	*	16.7	4.4	*	16.7	7.1	*
Stroke	16	25.0	15.0	*	25.0	21.4	*	31.3	25.8	*
Hip Fracture	10	0.0	7.1	*	20.0	12.8	*	20.0	16.4	*
Sepsis	8	62.5	30.2	*	62.5	34.9	*	62.5	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	0.7	*	5.3	1.4	*	5.3	1.9	*
Open Reduction of Hip Fracture	5	0.0	6.0	*	0.0	11.3	*	0.0	14.8	*
Prostatectomy	26	3.8	0.5	*	3.8	1.3	*	3.8	2.2	*
Cholecystectomy	10	0.0	0.9	*	0.0	1.4	*	0.0	1.8	*
Hysterectomy	9	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds 224
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 15
Licensed Practical Nurses 75

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HATO REY COMMUNITY HOSPITAL

Medicare Provider Number: 400027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	681	5.9	5.3	1.0	8.2	7.9	1.3	10.4	10.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	26	38.5	26.1	*	42.3	29.5	*	42.3	32.8	*
Congestive Heart Failure	20	20.0	14.9	*	30.0	22.6	*	45.0	29.0	*
Pneumonia/Influenza	16	12.5	12.7	*	25.0	17.0	*	25.0	20.6	*
Chronic Obstructive Pulmonary Disease	9	11.1	8.6	*	11.1	15.5	*	11.1	21.5	*
Transient Cerebral Ischemia	4	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Stroke	13	15.4	19.3	*	15.4	24.7	*	23.1	29.0	*
Hip Fracture	8	12.5	4.3	*	12.5	8.2	*	25.0	11.1	*
Sepsis	5	40.0	30.9	*	60.0	40.6	*	60.0	47.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	11	9.1	0.7	*	9.1	1.3	*	18.2	1.8	*
Open Reduction of Hip Fracture	6	16.7	4.1	*	16.7	8.2	*	16.7	11.2	*
Prostatectomy	32	6.3	0.8	*	6.3	1.8	*	6.3	3.0	*
Cholecystectomy	24	4.2	1.4	*	4.2	2.3	*	4.2	3.0	*
Hysterectomy	12	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	728	5.1	5.9	1.5	8.0	9.1	1.9	10.6	11.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	24.8	*	33.3	27.9	*	41.7	31.7	*
Congestive Heart Failure	20	0.0	12.4	*	0.0	18.9	*	0.0	24.6	*
Pneumonia/Influenza	21	14.3	14.8	*	19.0	20.0	*	19.0	24.2	*
Chronic Obstructive Pulmonary Disease	19	5.3	11.5	*	15.8	18.7	*	15.8	24.1	*
Transient Cerebral Ischemia	11	0.0	1.5	*	0.0	3.3	*	9.1	5.2	*
Stroke	17	11.8	15.5	*	17.6	21.4	*	23.5	25.5	*
Hip Fracture	8	0.0	3.6	*	0.0	6.7	*	0.0	9.1	*
Sepsis	8	37.5	35.5	*	50.0	42.3	*	75.0	48.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	23.6	*	0.0	32.9	*	0.0	36.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Open Reduction of Hip Fracture	1	0.0	6.7	*	0.0	12.8	*	0.0	17.1	*
Prostatectomy	37	2.7	1.1	*	2.7	2.5	*	5.4	4.1	*
Cholecystectomy	22	0.0	1.3	*	0.0	2.3	*	0.0	3.1	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	14.3	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL DE LA CONCEPCION

41 Luna St
San German, PR 00753

Medicare Provider Number: 400021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,304	12.1	10.0	1.1	16.4	14.7	1.2	20.9	18.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	42	26.2	26.7	*	33.3	30.0	*	38.1	33.2	*
Congestive Heart Failure	86	22.1	15.6	6.7	30.2	23.7	6.1	33.7	30.3	5.6
Pneumonia/Influenza	52	21.2	16.7	10.5	28.8	22.3	10.1	30.8	26.7	10.5
Chronic Obstructive Pulmonary Disease	4	25.0	9.2	*	25.0	16.1	*	25.0	22.8	*
Transient Cerebral Ischemia	14	0.0	2.1	*	7.1	4.4	*	7.1	7.0	*
Stroke	84	26.2	23.6	5.8	31.0	30.5	5.5	36.9	35.0	5.8
Hip Fracture	23	8.7	5.5	*	8.7	9.8	*	21.7	13.1	*
Sepsis	29	48.3	32.6	*	62.1	39.5	*	65.5	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.1	*	0.0	4.4	*	0.0	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.7	*	0.0	7.7	*	0.0	11.2	*
Open Reduction of Hip Fracture	17	5.9	4.6	*	5.9	8.7	*	17.6	11.7	*
Prostatectomy	48	4.2	0.8	*	4.2	1.9	*	6.3	3.1	*
Cholecystectomy	51	0.0	2.0	*	0.0	3.1	*	0.0	3.9	*
Hysterectomy	19	0.0	0.7	*	0.0	1.3	*	0.0	1.8	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 167
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 12
Registered Nurses 78
Licensed Practical Nurses 34

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

** **Not used in calculating hospital mortality rates.**

HOSPITAL DE LA CONCEPCION

Medicare Provider Number: 400021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,214	12.8	11.2	1.1	18.3	16.1	1.4	22.2	19.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	51	31.4	27.3	6.6	37.3	30.3	7.2	43.1	33.5	8.2
Congestive Heart Failure	63	4.8	15.8	7.7	15.9	23.5	8.6	23.8	30.0	7.5
Pneumonia/Influenza	61	23.0	20.4	7.3	29.5	26.9	7.2	32.8	31.7	6.1
Chronic Obstructive Pulmonary Disease	4	25.0	5.3	*	25.0	9.2	*	25.0	13.0	*
Transient Cerebral Ischemia	12	0.0	1.8	*	8.3	4.0	*	8.3	6.5	*
Stroke	69	23.2	23.4	5.4	29.0	29.6	6.2	34.8	34.1	5.7
Hip Fracture	12	0.0	7.4	*	8.3	12.9	*	8.3	16.2	*
Sepsis	29	62.1	33.3	*	62.1	39.3	*	65.5	45.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	3.3	*	100.0	6.3	*	100.0	9.3	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	3	0.0	5.9	*	0.0	11.6	*	0.0	15.5	*
Open Reduction of Hip Fracture	7	0.0	6.2	*	14.3	11.1	*	14.3	14.2	*
Prostatectomy	49	0.0	0.6	*	2.0	1.5	*	2.0	2.6	*
Cholecystectomy	45	2.2	2.6	*	6.7	4.5	*	6.7	5.9	*
Hysterectomy	10	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,186	12.7	10.9	1.1	16.6	15.9	1.1	19.9	19.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	54	24.1	29.5	7.8	25.9	32.3	8.3	29.6	35.4	8.5
Congestive Heart Failure	79	22.8	19.4	4.8	26.6	28.2	5.4	31.6	35.5	6.3
Pneumonia/Influenza	64	28.1	20.5	8.4	32.8	27.2	7.2	35.9	32.3	6.8
Chronic Obstructive Pulmonary Disease	5	40.0	13.4	*	40.0	19.3	*	40.0	24.5	*
Transient Cerebral Ischemia	23	0.0	2.1	*	0.0	4.5	*	4.3	7.1	*
Stroke	69	29.0	23.0	6.6	31.9	30.2	6.2	39.1	35.0	6.4
Hip Fracture	17	5.9	4.8	*	5.9	8.8	*	5.9	11.7	*
Sepsis	20	45.0	32.8	*	60.0	41.2	*	65.0	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.6	*	0.0	7.4	*	0.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.1	*	0.0	10.4	*	0.0	14.2	*
Open Reduction of Hip Fracture	10	0.0	4.4	*	0.0	8.3	*	0.0	11.1	*
Prostatectomy	40	0.0	0.9	*	0.0	2.0	*	5.0	3.2	*
Cholecystectomy	43	2.3	1.9	*	2.3	3.4	*	4.7	4.5	*
Hysterectomy	8	12.5	0.6	*	12.5	1.3	*	12.5	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL DR DOMIQUEZ

P O Box 967
Humacao, PR 00661

Medicare Provider Number: 400011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	482	8.1	7.2	1.3	10.6	10.6	1.4	12.2	13.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	17	11.8	27.9	*	17.6	30.6	*	17.6	33.7	*
Congestive Heart Failure	14	28.6	14.2	*	35.7	22.5	*	35.7	29.4	*
Pneumonia/Influenza	22	18.2	14.9	*	31.8	20.1	*	31.8	24.4	*
Chronic Obstructive Pulmonary Disease	3	0.0	10.1	*	33.3	17.9	*	33.3	25.0	*
Transient Cerebral Ischemia	3	0.0	1.4	*	0.0	2.8	*	0.0	4.3	*
Stroke	16	37.5	26.2	*	37.5	31.7	*	37.5	36.0	*
Hip Fracture	5	0.0	8.3	*	0.0	14.0	*	0.0	17.6	*
Sepsis	6	66.7	35.9	*	66.7	41.2	*	83.3	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.2	*	0.0	5.1	*	0.0	9.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	0.0	8.0	*	0.0	15.0	*	0.0	19.5	*
Prostatectomy	46	2.2	0.6	*	2.2	1.4	*	2.2	2.3	*
Cholecystectomy	15	6.7	2.5	*	6.7	4.3	*	6.7	5.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 62
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 46
Licensed Practical Nurses 33

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL DR DOMIQUEZ

Medicare Provider Number: 400011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	509	9.0	7.1	1.6	12.0	10.3	1.7	13.6	12.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	28.6	31.7	*	33.3	35.1	*	33.3	38.6	*
Congestive Heart Failure	20	10.0	17.2	*	20.0	25.9	*	25.0	33.2	*
Pneumonia/Influenza	11	0.0	12.3	*	9.1	16.2	*	9.1	19.6	*
Chronic Obstructive Pulmonary Disease	11	9.1	10.8	*	9.1	18.2	*	9.1	24.1	*
Transient Cerebral Ischemia	7	0.0	2.4	*	0.0	5.3	*	0.0	8.4	*
Stroke	17	47.1	23.7	*	64.7	31.6	*	70.6	36.6	*
Hip Fracture	2	50.0	5.5	*	50.0	9.0	*	50.0	11.3	*
Sepsis	7	57.1	36.1	*	57.1	41.2	*	57.1	46.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	2	50.0	4.8	*	50.0	8.2	*	50.0	10.5	*
Prostatectomy	42	2.4	1.0	*	2.4	1.6	*	2.4	2.2	*
Cholecystectomy	21	4.8	1.2	*	4.8	2.0	*	4.8	2.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	537	7.8	6.7	1.6	12.1	9.9	1.8	13.2	12.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	13	61.5	35.4	*	61.5	38.9	*	61.5	42.3	*
Congestive Heart Failure	17	11.8	14.4	*	29.4	21.4	*	29.4	27.5	*
Pneumonia/Influenza	18	5.6	16.2	*	5.6	21.7	*	5.6	26.0	*
Chronic Obstructive Pulmonary Disease	27	11.1	10.4	*	11.1	16.6	*	14.8	21.2	*
Transient Cerebral Ischemia	11	0.0	1.9	*	0.0	4.0	*	9.1	6.4	*
Stroke	15	40.0	26.3	*	53.3	34.9	*	53.3	40.4	*
Hip Fracture	3	33.3	6.6	*	33.3	12.2	*	33.3	16.1	*
Sepsis	4	75.0	49.3	*	75.0	54.7	*	75.0	60.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	100.0	3.0	*	100.0	6.0	*	100.0	8.2	*
Prostatectomy	39	0.0	1.0	*	2.6	2.3	*	2.6	3.9	*
Cholecystectomy	21	0.0	1.5	*	0.0	2.8	*	0.0	3.7	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL DR SUSONI INC

55 Palm St P O Box 1298
Arecibo, PR 00613

Medicare Provider Number: 400117

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,147	11.7	9.5	1.5	15.7	13.4	1.7	18.5	16.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	58	31.0	27.3	8.8	34.5	30.0	10.0	37.9	33.2	11.9
Congestive Heart Failure	54	14.8	16.0	5.2	24.1	24.1	6.1	29.6	30.9	6.4
Pneumonia/Influenza	71	23.9	16.5	9.0	26.8	21.9	11.0	32.4	26.3	11.0
Chronic Obstructive Pulmonary Disease	21	9.5	6.1	*	19.0	12.4	*	19.0	18.1	*
Transient Cerebral Ischemia	23	8.7	2.1	*	13.0	4.6	*	13.0	7.4	*
Stroke	44	22.7	20.8	*	34.1	27.0	*	38.6	31.3	*
Hip Fracture	15	0.0	6.8	*	0.0	11.7	*	0.0	14.9	*
Sepsis	11	63.6	41.4	*	81.8	49.3	*	81.8	56.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.8	*	0.0	4.3	*
Hip Replacement/Reconstruction	7	0.0	7.2	*	0.0	12.7	*	14.3	16.2	*
Open Reduction of Hip Fracture	4	0.0	6.7	*	0.0	12.1	*	0.0	15.6	*
Prostatectomy	29	3.4	1.3	*	6.9	3.2	*	10.3	5.5	*
Cholecystectomy	67	1.5	1.8	1.8	4.5	3.2	2.4	6.0	4.3	4.0
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 138
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 109
Licensed Practical Nurses 54

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL DR SUSONI INC

Medicare Provider Number: 400117

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	882	12.1	8.4	1.5	15.8	12.1	1.5	19.5	15.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	36	30.6	26.8	*	36.1	29.6	*	41.7	32.9	*
Congestive Heart Failure	46	17.4	14.5	*	23.9	21.6	*	30.4	27.7	*
Pneumonia/Influenza	61	29.5	18.4	10.2	31.1	24.1	9.4	37.7	28.5	9.6
Chronic Obstructive Pulmonary Disease	8	25.0	13.6	*	25.0	22.7	*	37.5	29.3	*
Transient Cerebral Ischemia	14	0.0	2.1	*	0.0	4.5	*	7.1	7.1	*
Stroke	36	36.1	19.4	*	47.2	25.9	*	47.2	30.4	*
Hip Fracture	17	5.9	7.5	*	11.8	13.7	*	11.8	17.8	*
Sepsis	3	66.7	22.6	*	66.7	27.0	*	66.7	32.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	24.7	*	0.0	28.3	*	0.0	31.6	*
Carotid Endarterectomy	2	50.0	0.9	*	50.0	1.4	*	50.0	2.0	*
Hip Replacement/Reconstruction	4	0.0	5.8	*	25.0	10.5	*	25.0	13.5	*
Open Reduction of Hip Fracture	6	0.0	5.4	*	0.0	10.4	*	0.0	14.0	*
Prostatectomy	38	0.0	0.9	*	0.0	2.0	*	2.6	3.4	*
Cholecystectomy	43	2.3	1.9	*	2.3	3.2	*	4.7	4.3	*
Hysterectomy	13	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	597	8.9	6.8	1.4	12.6	9.9	1.7	14.6	12.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	20	30.0	27.4	*	35.0	30.0	*	35.0	33.0	*
Congestive Heart Failure	25	0.0	14.7	*	12.0	21.6	*	12.0	27.7	*
Pneumonia/Influenza	31	19.4	18.9	*	22.6	24.6	*	29.0	29.0	*
Chronic Obstructive Pulmonary Disease	7	28.6	14.1	*	28.6	23.3	*	42.9	29.4	*
Transient Cerebral Ischemia	10	10.0	1.7	*	20.0	3.7	*	20.0	5.9	*
Stroke	16	37.5	21.1	*	43.8	28.3	*	43.8	33.1	*
Hip Fracture	10	0.0	5.1	*	0.0	9.7	*	0.0	12.9	*
Sepsis	1	0.0	22.4	*	0.0	26.7	*	0.0	32.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.3	*	0.0	5.0	*	0.0	7.8	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	4	0.0	2.8	*	0.0	5.7	*	0.0	8.0	*
Open Reduction of Hip Fracture	0									
Prostatectomy	52	0.0	0.8	1.5	0.0	1.9	2.7	1.9	3.2	2.7
Cholecystectomy	37	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL DR TITO MATTEI

Road 128 P O Box 68
Yauco, PR 00768

Medicare Provider Number: 400110

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	475	13.9	9.2	2.3	17.3	13.3	2.1	20.6	16.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	29	37.9	28.2	*	41.4	31.0	*	41.4	34.1	*
Congestive Heart Failure	22	13.6	14.7	*	22.7	22.5	*	36.4	29.0	*
Pneumonia/Influenza	14	21.4	16.2	*	28.6	21.5	*	42.9	25.6	*
Chronic Obstructive Pulmonary Disease	5	40.0	3.4	*	40.0	6.8	*	40.0	10.0	*
Transient Cerebral Ischemia	8	0.0	2.6	*	25.0	5.9	*	25.0	9.2	*
Stroke	31	22.6	17.4	*	22.6	23.9	*	22.6	28.0	*
Hip Fracture	0									
Sepsis	1	0.0	50.1	*	0.0	55.0	*	0.0	59.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	14	0.0	1.0	*	0.0	2.3	*	7.1	3.8	*
Cholecystectomy	7	0.0	1.6	*	0.0	2.9	*	0.0	3.8	*
Hysterectomy	14	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 186
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 97
Licensed Practical Nurses 44

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL DR TITO MATTEI

Medicare Provider Number: 400110

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	436	17.2	10.1	2.0	20.6	13.9	2.0	24.1	17.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	37	43.2	32.8	*	45.9	36.8	*	51.4	40.5	*
Congestive Heart Failure	15	13.3	15.3	*	13.3	22.5	*	26.7	28.7	*
Pneumonia/Influenza	21	61.9	16.1	*	61.9	21.3	*	61.9	25.3	*
Chronic Obstructive Pulmonary Disease	9	11.1	4.5	*	22.2	9.3	*	22.2	13.9	*
Transient Cerebral Ischemia	5	0.0	1.4	*	20.0	3.0	*	20.0	4.7	*
Stroke	30	36.7	22.8	*	40.0	29.8	*	43.3	34.4	*
Hip Fracture	0									
Sepsis	3	66.7	26.7	*	66.7	35.9	*	66.7	42.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.9	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	18	11.1	1.5	*	11.1	2.6	*	11.1	3.4	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	468	17.3	10.5	2.2	21.8	14.6	2.4	25.4	18.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	31.2	*	40.7	34.3	*	40.7	37.5	*
Congestive Heart Failure	23	21.7	13.2	*	34.8	19.2	*	39.1	24.2	*
Pneumonia/Influenza	24	54.2	16.9	*	66.7	22.3	*	70.8	26.5	*
Chronic Obstructive Pulmonary Disease	16	6.3	10.4	*	18.8	18.6	*	25.0	24.7	*
Transient Cerebral Ischemia	2	0.0	2.3	*	0.0	5.2	*	0.0	8.5	*
Stroke	21	42.9	25.7	*	47.6	31.5	*	57.1	35.9	*
Hip Fracture	0									
Sepsis	6	50.0	39.4	*	66.7	45.0	*	66.7	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	9	0.0	0.8	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	11	0.0	1.3	*	0.0	2.4	*	9.1	3.1	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL HERNANDOS MELENDEZ

P O Box 306
Bayamon, PR 00619

Medicare Provider Number: 400032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,278	7.6	8.8	1.1	11.5	13.3	1.2	14.7	16.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	29.4	*	26.7	32.4	*	26.7	35.4	*
Congestive Heart Failure	49	12.2	16.2	*	22.4	24.8	*	28.6	31.8	*
Pneumonia/Influenza	58	13.8	18.1	7.4	22.4	24.1	5.8	27.6	28.7	6.0
Chronic Obstructive Pulmonary Disease	4	25.0	8.8	*	25.0	16.1	*	25.0	22.7	*
Transient Cerebral Ischemia	11	0.0	1.7	*	0.0	3.8	*	9.1	6.1	*
Stroke	69	11.6	18.9	7.4	15.9	26.5	7.6	20.3	31.0	8.0
Hip Fracture	14	0.0	7.0	*	0.0	12.2	*	0.0	15.4	*
Sepsis	19	31.6	38.6	*	47.4	47.0	*	52.6	53.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.5	*	10.0	6.9	*	10.0	9.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	3.6	*	0.0	6.3	*	0.0	8.3	*
Open Reduction of Hip Fracture	5	0.0	7.8	*	0.0	13.7	*	0.0	17.1	*
Prostatectomy	80	0.0	0.9	1.3	0.0	2.0	2.1	1.2	3.3	2.5
Cholecystectomy	41	2.4	1.8	*	2.4	2.9	*	2.4	3.7	*
Hysterectomy	18	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 203
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 93
Licensed Practical Nurses 76

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... Yes
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL HERNANDOS MELENDEZ

Medicare Provider Number: 400032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,220	8.3	8.6	0.9	12.5	12.9	1.1	14.8	16.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	28.1	*	34.3	31.3	*	37.1	34.8	*
Congestive Heart Failure	48	14.6	14.3	*	25.0	21.7	*	35.4	28.0	*
Pneumonia/Influenza	35	17.1	18.6	*	20.0	25.2	*	20.0	30.0	*
Chronic Obstructive Pulmonary Disease	30	6.7	6.8	*	10.0	12.0	*	10.0	16.7	*
Transient Cerebral Ischemia	14	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Stroke	53	15.1	18.4	5.7	24.5	25.4	7.3	26.4	29.9	9.3
Hip Fracture	14	7.1	8.1	*	14.3	14.5	*	14.3	18.4	*
Sepsis	15	20.0	32.7	*	40.0	39.9	*	46.7	46.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	21.4	8.6	*	21.4	12.0	*	21.4	14.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	7.2	*	0.0	13.0	*	0.0	16.1	*
Open Reduction of Hip Fracture	7	0.0	6.1	*	14.3	12.2	*	14.3	16.6	*
Prostatectomy	65	1.5	1.8	1.6	3.1	3.5	2.6	3.1	5.3	3.2
Cholecystectomy	50	0.0	2.0	*	2.0	3.7	*	2.0	4.9	*
Hysterectomy	21	0.0	0.9	*	0.0	1.7	*	4.8	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,144	7.3	6.9	1.0	11.7	10.7	1.5	14.4	13.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	30	30.0	25.8	*	36.7	28.5	*	36.7	31.6	*
Congestive Heart Failure	51	17.6	14.9	5.6	23.5	22.3	7.5	35.3	28.6	11.0
Pneumonia/Influenza	39	20.5	17.8	*	28.2	23.7	*	30.8	28.2	*
Chronic Obstructive Pulmonary Disease	55	10.9	11.0	4.7	16.4	18.6	5.6	20.0	24.3	8.3
Transient Cerebral Ischemia	17	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	40	12.5	17.9	*	32.5	25.3	*	37.5	29.8	*
Hip Fracture	10	10.0	6.7	*	10.0	12.1	*	10.0	15.5	*
Sepsis	5	40.0	22.9	*	40.0	31.4	*	40.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.8	*	12.5	10.4	*	12.5	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.2	*	0.0	6.1	*	0.0	8.1	*
Open Reduction of Hip Fracture	4	0.0	4.6	*	0.0	9.2	*	0.0	12.6	*
Prostatectomy	58	1.7	0.9	1.4	3.4	2.3	2.4	5.2	3.9	4.0
Cholecystectomy	34	5.9	2.9	*	8.8	6.0	*	8.8	8.5	*
Hysterectomy	16	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL INTERAMERICANO DE MEDICINA

Ave Luis Munoz Marin Box 1744
Caguas, PR 00625

Medicare Provider Number: 400120

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,267	5.5	9.1	0.9	9.0	13.5	1.0	11.9	16.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	51	3.9	25.0	8.4	7.8	28.4	8.9	9.8	31.7	9.0
Congestive Heart Failure	68	7.4	14.1	6.2	14.7	22.0	6.6	22.1	28.6	6.4
Pneumonia/Influenza	103	3.9	14.5	4.8	7.8	19.5	5.6	11.7	23.6	5.7
Chronic Obstructive Pulmonary Disease	13	7.7	7.1	*	15.4	14.0	*	15.4	20.4	*
Transient Cerebral Ischemia	16	6.3	2.3	*	12.5	5.2	*	12.5	8.3	*
Stroke	55	12.7	21.0	7.2	14.5	28.1	9.2	18.2	32.6	10.1
Hip Fracture	17	5.9	7.4	*	5.9	13.0	*	5.9	16.6	*
Sepsis	7	14.3	36.3	*	28.6	47.8	*	28.6	56.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.1	*	6.3	6.9	*	6.3	9.3	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	5	0.0	8.8	*	0.0	15.6	*	0.0	19.7	*
Open Reduction of Hip Fracture	11	0.0	5.9	*	0.0	11.1	*	0.0	14.6	*
Prostatectomy	37	2.7	1.7	*	5.4	3.3	*	5.4	4.8	*
Cholecystectomy	41	4.9	2.0	*	7.3	3.3	*	7.3	4.2	*
Hysterectomy	29	0.0	0.2	*	0.0	0.4	*	3.4	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 300
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 65
Licensed Practical Nurses 34

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL INTERAMERICANO DE MEDICINA

Medicare Provider Number: 400120

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	0									
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL MATILDE BRENES

Bayamon, PR 00619

Medicare Provider Number: 400102

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	991	8.3	7.0	1.4	11.4	10.5	1.2	13.3	13.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	27	44.4	28.4	*	44.4	32.0	*	48.1	35.3	*
Congestive Heart Failure	58	15.5	15.1	4.8	29.3	23.9	6.8	36.2	30.6	10.4
Pneumonia/Influenza	36	13.9	16.3	*	13.9	21.8	*	25.0	26.0	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	9	0.0	2.2	*	11.1	5.2	*	11.1	8.6	*
Stroke	20	30.0	19.5	*	30.0	27.4	*	30.0	32.0	*
Hip Fracture	9	0.0	4.7	*	0.0	8.2	*	11.1	10.6	*
Sepsis	16	25.0	30.0	*	31.3	36.7	*	50.0	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	5.8	*	0.0	13.4	*	0.0	21.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Open Reduction of Hip Fracture	4	0.0	2.7	*	0.0	5.1	*	0.0	7.0	*
Prostatectomy	47	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*
Cholecystectomy	40	0.0	1.9	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	9	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 106
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 80
Licensed Practical Nurses 38

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

HOSPITAL MATILDE BRENES

Medicare Provider Number: 400102

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	836	8.3	7.0	1.0	12.6	10.4	1.3	14.6	13.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	30.1	*	40.0	33.2	*	40.0	36.6	*
Congestive Heart Failure	56	16.1	13.9	5.6	26.8	21.1	9.7	35.7	27.3	12.9
Pneumonia/Influenza	42	31.0	16.9	*	35.7	22.9	*	35.7	27.7	*
Chronic Obstructive Pulmonary Disease	22	0.0	4.5	*	4.5	8.6	*	9.1	12.3	*
Transient Cerebral Ischemia	6	0.0	1.5	*	0.0	3.4	*	0.0	5.4	*
Stroke	19	36.8	16.0	*	42.1	22.6	*	47.4	26.9	*
Hip Fracture	12	8.3	4.1	*	16.7	8.0	*	16.7	10.8	*
Sepsis	11	54.5	29.5	*	63.6	36.9	*	63.6	43.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	1.7	*	9.1	3.3	*	9.1	4.7	*
Open Reduction of Hip Fracture	5	20.0	4.2	*	20.0	8.6	*	20.0	11.8	*
Prostatectomy	45	0.0	0.6	*	0.0	1.4	*	2.2	2.4	*
Cholecystectomy	25	0.0	1.2	*	0.0	2.0	*	0.0	2.7	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	566	4.4	5.6	1.5	5.8	8.9	1.8	8.5	11.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	28.3	*	22.2	32.1	*	33.3	35.5	*
Congestive Heart Failure	25	20.0	15.3	*	24.0	23.0	*	32.0	29.4	*
Pneumonia/Influenza	21	14.3	16.8	*	23.8	22.2	*	23.8	26.5	*
Chronic Obstructive Pulmonary Disease	21	0.0	9.2	*	0.0	16.5	*	4.8	22.4	*
Transient Cerebral Ischemia	2	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*
Stroke	12	8.3	17.1	*	8.3	23.1	*	16.7	27.2	*
Hip Fracture	3	0.0	6.0	*	0.0	10.5	*	0.0	13.2	*
Sepsis	1	0.0	34.7	*	0.0	43.5	*	0.0	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.0	*	0.0	3.8	*	0.0	5.1	*
Open Reduction of Hip Fracture	0									
Prostatectomy	22	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	9	0.0	3.3	*	0.0	5.9	*	0.0	7.6	*
Hysterectomy	8	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL MIMIYA INC

De Diego Ave 303
Santurce, PR 00940

Medicare Provider Number: 400088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	144	4.9	4.1	1.9	8.3	6.3	2.6	9.0	8.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	34.9	*	33.3	38.4	*	33.3	42.4	*
Congestive Heart Failure	7	0.0	11.2	*	0.0	17.5	*	0.0	23.0	*
Pneumonia/Influenza	5	20.0	12.2	*	20.0	17.0	*	40.0	20.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	5.1	*	100.0	9.1	*	100.0	12.9	*
Transient Cerebral Ischemia	0									
Stroke	2	50.0	9.7	*	50.0	13.9	*	50.0	17.0	*
Hip Fracture	0									
Sepsis	1	100.0	23.5	*	100.0	34.0	*	100.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	3	0.0	2.6	*	0.0	4.9	*	0.0	6.4	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 57
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 15
Licensed Practical Nurses 29

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL MIMIYA INC

Medicare Provider Number: 400088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	238	3.4	3.8	1.4	5.9	5.6	1.5	6.3	7.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	6	33.3	32.4	*	50.0	35.1	*	50.0	38.3	*
Congestive Heart Failure	5	0.0	12.0	*	0.0	18.2	*	0.0	23.9	*
Pneumonia/Influenza	3	33.3	22.7	*	66.7	29.6	*	66.7	34.8	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.7	*	100.0	8.8	*	100.0	12.6	*
Transient Cerebral Ischemia	1	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
Stroke	1	0.0	44.1	*	0.0	58.1	*	0.0	64.4	*
Hip Fracture	0									
Sepsis	3	33.3	10.3	*	33.3	15.3	*	33.3	19.5	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	3	0.0	1.0	*	0.0	2.5	*	0.0	3.9	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	382	2.1	3.0	1.1	4.2	4.5	1.1	6.0	6.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	32.0	*	50.0	36.1	*	50.0	41.5	*
Congestive Heart Failure	2	0.0	9.4	*	0.0	15.0	*	0.0	20.3	*
Pneumonia/Influenza	5	0.0	11.3	*	0.0	15.5	*	20.0	19.1	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	3	33.3	23.0	*	33.3	30.7	*	66.7	35.6	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	21	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	4	25.0	4.9	*	25.0	7.9	*	25.0	9.2	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL SAN CARLOS BORROMEO

Rd 110 Km 12 2
Moca, PR 00716

Medicare Provider Number: 400111

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	867	11.2	9.8	1.8	16.4	14.3	2.0	18.9	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	37	21.6	22.9	*	27.0	26.4	*	32.4	29.8	*
Congestive Heart Failure	47	14.9	14.2	*	29.8	22.1	*	29.8	29.0	*
Pneumonia/Influenza	82	15.9	16.3	4.2	23.2	21.5	5.7	24.4	25.7	5.1
Chronic Obstructive Pulmonary Disease	24	0.0	4.7	*	4.2	8.7	*	8.3	12.4	*
Transient Cerebral Ischemia	21	0.0	2.4	*	9.5	5.5	*	9.5	8.9	*
Stroke	43	25.6	20.4	*	27.9	27.2	*	32.6	31.6	*
Hip Fracture	0									
Sepsis	5	20.0	36.1	*	20.0	42.6	*	20.0	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	42	4.8	1.7	*	7.1	3.1	*	7.1	4.2	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds 64
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 72
Licensed Practical Nurses 26

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL SAN CARLOS BORROMEO

Medicare Provider Number: 400111

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	11.6	11.6	1.7	15.5	16.7	2.3	18.9	20.8	2.9
CONDITIONS:										
Acute Myocardial Infarction	38	26.3	28.3	*	36.8	32.0	*	39.5	35.8	*
Congestive Heart Failure	38	18.4	15.1	*	21.1	23.4	*	28.9	30.2	*
Pneumonia/Influenza	80	16.2	17.2	4.5	20.0	22.6	6.0	25.0	26.9	6.0
Chronic Obstructive Pulmonary Disease	21	4.8	7.4	*	9.5	13.6	*	9.5	19.1	*
Transient Cerebral Ischemia	20	0.0	2.8	*	0.0	6.3	*	5.0	9.8	*
Stroke	40	20.0	23.8	*	25.0	30.8	*	27.5	35.7	*
Hip Fracture	0									
Sepsis	10	0.0	22.4	*	0.0	29.5	*	0.0	35.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.6	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	17	0.0	1.7	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	690	6.7	9.8	1.5	11.4	14.3	1.8	14.6	17.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	10.5	29.1	*	15.6	32.6	*	15.8	36.3	*
Congestive Heart Failure	43	4.7	16.2	*	14.0	25.1	*	20.9	32.2	*
Pneumonia/Influenza	67	9.0	18.5	7.6	14.9	24.5	8.2	20.9	28.8	7.6
Chronic Obstructive Pulmonary Disease	39	2.6	12.5	*	5.1	20.7	*	7.7	26.3	*
Transient Cerebral Ischemia	35	2.9	2.1	*	5.7	4.6	*	5.7	7.3	*
Stroke	22	18.2	20.8	*	27.3	27.5	*	27.3	32.2	*
Hip Fracture	0									
Sepsis	7	42.9	34.7	*	57.1	41.7	*	71.4	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	19.0	*	0.0	32.0	*	0.0	39.9	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	22	0.0	2.6	*	9.1	4.7	*	9.1	6.2	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL SAN CRISTOBAL

Carr 506 Bo Coto Laurel
Ponce, PR 00644

Medicare Provider Number: 400113

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	913	9.1	8.7	1.0	12.4	13.1	1.3	15.6	16.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	30	36.7	30.8	*	40.0	34.5	*	43.3	38.6	*
Congestive Heart Failure	62	12.9	14.5	5.5	19.4	23.0	6.6	27.4	29.9	6.2
Pneumonia/Influenza	11	0.0	13.1	*	18.2	18.5	*	27.3	22.5	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.4	*	0.0	11.8	*	0.0	18.1	*
Transient Cerebral Ischemia	20	0.0	2.2	*	0.0	4.9	*	0.0	7.9	*
Stroke	59	20.3	15.8	6.0	23.7	22.3	5.5	25.4	26.4	5.8
Hip Fracture	0									
Sepsis	13	61.5	35.4	*	69.2	43.0	*	76.9	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	48	0.0	1.1	*	0.0	2.7	*	2.1	4.4	*
Cholecystectomy	13	0.0	2.3	*	7.7	4.4	*	7.7	6.0	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 103
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 48
Licensed Practical Nurses 53

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL SAN CRISTOBAL

Medicare Provider Number: 400113

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	883	8.7	8.9	1.0	12.9	13.4	1.2	15.3	17.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	32	21.9	29.7	*	25.0	33.6	*	25.0	37.4	*
Congestive Heart Failure	75	21.3	16.7	6.3	28.0	25.3	5.6	34.7	32.2	6.0
Pneumonia/Influenza	19	31.6	17.2	*	31.6	22.8	*	31.6	27.2	*
Chronic Obstructive Pulmonary Disease	21	9.5	5.7	*	14.3	10.8	*	19.0	15.4	*
Transient Cerebral Ischemia	27	3.7	2.0	*	7.4	4.4	*	11.1	7.0	*
Stroke	45	28.9	20.8	*	37.8	28.0	*	37.8	32.6	*
Hip Fracture	1	0.0	3.4	*	0.0	6.0	*	0.0	7.9	*
Sepsis	5	40.0	25.0	*	40.0	33.1	*	40.0	39.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.2	*	0.0	5.9	*	0.0	7.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	42	0.0	1.3	*	0.0	3.1	*	2.4	4.8	*
Cholecystectomy	17	0.0	2.1	*	0.0	3.5	*	0.0	4.5	*
Hysterectomy	6	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	771	10.4	9.0	1.6	13.9	13.4	1.2	16.3	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	43	37.2	28.6	*	41.9	32.1	*	44.2	35.7	*
Congestive Heart Failure	78	16.7	14.2	4.8	28.2	21.6	8.3	32.1	27.9	8.6
Pneumonia/Influenza	28	28.6	16.5	*	35.7	22.2	*	39.3	26.6	*
Chronic Obstructive Pulmonary Disease	11	9.1	9.6	*	9.1	17.8	*	27.3	24.4	*
Transient Cerebral Ischemia	7	0.0	1.2	*	0.0	2.6	*	0.0	4.2	*
Stroke	40	17.5	17.3	*	25.0	24.5	*	30.0	28.9	*
Hip Fracture	4	0.0	8.3	*	0.0	14.6	*	25.0	18.7	*
Sepsis	8	62.5	27.1	*	75.0	35.5	*	75.0	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.2	*	0.0	10.9	*	0.0	16.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	51	2.0	1.4	2.7	3.9	3.4	4.4	7.8	5.6	4.8
Cholecystectomy	18	0.0	3.3	*	0.0	5.9	*	0.0	7.8	*
Hysterectomy	5	20.0	16.8	*	20.0	17.3	*	20.0	17.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL SAN FRANCISCO

371 De Diego Ave
Rio Piedras, PR 00923

Medicare Provider Number: 400098

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	705	9.8	8.4	1.4	13.0	12.4	1.4	15.6	15.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	35	28.6	29.8	*	34.3	33.1	*	37.1	36.9	*
Congestive Heart Failure	35	11.4	13.4	*	14.3	21.0	*	17.1	27.5	*
Pneumonia/Influenza	28	10.7	17.5	*	17.9	23.3	*	17.9	27.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	2	0.0	1.2	*	0.0	2.6	*	0.0	4.2	*
Stroke	24	12.5	19.7	*	20.8	26.0	*	29.2	30.0	*
Hip Fracture	34	5.9	6.2	*	5.9	11.2	*	5.9	14.4	*
Sepsis	2	100.0	35.0	*	100.0	48.4	*	100.0	55.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.2	*	0.0	2.5	*	0.0	3.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	4.3	*	0.0	8.1	*	7.7	10.7	*
Open Reduction of Hip Fracture	16	6.3	6.3	*	6.3	12.1	*	6.3	16.0	*
Prostatectomy	25	4.0	1.1	*	12.0	2.7	*	12.0	4.5	*
Cholecystectomy	16	0.0	1.4	*	0.0	2.3	*	0.0	2.9	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 160
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 50
Licensed Practical Nurses 30

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL SAN FRANCISCO

Medicare Provider Number: 400098

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	650	7.7	7.8	1.9	10.8	11.5	2.2	13.4	14.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	30.1	*	22.7	33.0	*	22.7	36.4	*
Congestive Heart Failure	22	9.1	18.1	*	13.6	26.8	*	22.7	34.0	*
Pneumonia/Influenza	17	23.5	19.9	*	23.5	26.5	*	29.4	31.2	*
Chronic Obstructive Pulmonary Disease	13	15.4	8.0	*	23.1	13.7	*	30.8	18.9	*
Transient Cerebral Ischemia	6	0.0	1.3	*	0.0	2.6	*	0.0	4.1	*
Stroke	21	23.8	20.9	*	38.1	26.9	*	42.9	31.2	*
Hip Fracture	13	0.0	5.4	*	0.0	10.0	*	0.0	13.2	*
Sepsis	8	37.5	34.6	*	37.5	40.4	*	37.5	46.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	3.7	*	0.0	5.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	5.6	*	0.0	10.7	*	0.0	14.0	*
Open Reduction of Hip Fracture	6	0.0	4.7	*	0.0	9.2	*	0.0	12.4	*
Prostatectomy	28	0.0	1.2	*	3.6	2.9	*	7.1	4.7	*
Cholecystectomy	17	0.0	2.0	*	5.9	3.9	*	5.9	5.6	*
Hysterectomy	1	0.0	0.6	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	765	7.1	7.2	1.0	10.2	10.9	1.2	12.2	13.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	14	42.9	30.2	*	42.9	33.4	*	42.9	37.1	*
Congestive Heart Failure	30	10.0	13.8	*	20.0	20.6	*	20.0	26.7	*
Pneumonia/Influenza	5	20.0	13.1	*	40.0	19.7	*	40.0	24.7	*
Chronic Obstructive Pulmonary Disease	9	22.2	10.8	*	22.2	17.6	*	44.4	23.0	*
Transient Cerebral Ischemia	5	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	11	9.1	16.9	*	18.2	23.5	*	36.4	28.2	*
Hip Fracture	4	25.0	4.5	*	25.0	8.8	*	25.0	12.0	*
Sepsis	2	50.0	18.2	*	50.0	25.3	*	50.0	30.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	8.8	*	0.0	16.3	*	0.0	21.1	*
Open Reduction of Hip Fracture	1	100.0	4.3	*	100.0	9.9	*	100.0	14.9	*
Prostatectomy	26	0.0	0.9	*	0.0	2.2	*	0.0	3.7	*
Cholecystectomy	28	3.6	3.2	*	7.1	6.2	*	7.1	8.4	*
Hysterectomy	4	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL SAN RAFAEL

P O Box 997
Caguas, PR 00625

Medicare Provider Number: 400090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	136	6.6	9.6	4.8	10.3	14.1	5.6	14.7	17.4	4.9
CONDITIONS:										
Acute Myocardial Infarction	8	12.5	31.9	*	12.5	35.3	*	12.5	38.9	*
Congestive Heart Failure	5	20.0	17.2	*	40.0	26.5	*	40.0	34.0	*
Pneumonia/Influenza	8	25.0	17.6	*	37.5	24.2	*	37.5	29.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	2.0	*	0.0	3.0	*
Stroke	7	14.3	16.9	*	14.3	24.0	*	14.3	28.6	*
Hip Fracture	2	50.0	6.6	*	50.0	12.2	*	50.0	16.0	*
Sepsis	2	100.0	41.5	*	100.0	51.1	*	100.0	55.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	6.3	*	50.0	11.8	*	50.0	15.7	*
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	0.8	*	0.0	1.8	*	8.3	2.8	*
Cholecystectomy	3	0.0	1.2	*	0.0	2.4	*	0.0	3.8	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* **The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 104
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 4
Registered Nurses 52
Licensed Practical Nurses 45

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

** **Not used in calculating hospital mortality rates.**

HOSPITAL SAN RAFAEL

Medicare Provider Number: 400090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,255	5.9	9.3	1.2	9.9	13.5	1.3	12.4	16.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	70	10.0	26.7	7.5	18.6	30.2	8.7	18.6	33.6	7.5
Congestive Heart Failure	65	15.4	16.0	6.7	20.0	24.2	7.4	26.2	30.9	9.0
Pneumonia/Influenza	71	8.5	16.4	5.8	14.1	21.6	6.7	14.1	25.9	8.0
Chronic Obstructive Pulmonary Disease	7	0.0	8.0	*	14.3	15.4	*	14.3	20.9	*
Transient Cerebral Ischemia	13	0.0	2.1	*	0.0	4.7	*	7.7	7.4	*
Stroke	57	12.3	21.3	7.9	17.5	28.6	9.6	22.8	33.3	9.1
Hip Fracture	11	0.0	7.4	*	9.1	13.0	*	9.1	16.6	*
Sepsis	8	37.5	43.2	*	62.5	51.8	*	62.5	57.8	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.4	*	0.0	6.7	*	25.0	10.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	16.4	*	100.0	28.5	*	100.0	34.4	*
Open Reduction of Hip Fracture	3	0.0	4.3	*	0.0	7.7	*	0.0	9.8	*
Prostatectomy	54	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*
Cholecystectomy	48	0.0	1.9	*	0.0	3.4	*	0.0	4.5	*
Hysterectomy	40	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,157	6.8	8.1	0.9	8.8	11.9	1.3	10.8	15.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	24.7	*	28.6	28.2	*	28.6	32.0	*
Congestive Heart Failure	111	10.8	16.0	5.0	16.2	23.9	6.3	20.7	30.4	7.7
Pneumonia/Influenza	37	21.6	18.6	*	24.3	24.9	*	27.0	29.6	*
Chronic Obstructive Pulmonary Disease	10	10.0	10.0	*	10.0	16.3	*	10.0	21.5	*
Transient Cerebral Ischemia	30	0.0	1.9	*	3.3	4.2	*	6.7	6.7	*
Stroke	49	8.2	23.3	*	8.2	30.0	*	14.3	35.0	*
Hip Fracture	15	0.0	6.8	*	6.7	12.1	*	13.3	15.8	*
Sepsis	8	50.0	34.7	*	62.5	42.2	*	62.5	48.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	6.4	*	5.6	11.2	*	11.1	15.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.2	*	0.0	6.4	*	0.0	8.6	*
Open Reduction of Hip Fracture	9	0.0	6.1	*	11.1	11.4	*	11.1	15.1	*
Prostatectomy	52	1.9	0.7	1.9	1.9	1.8	2.1	1.9	3.0	2.5
Cholecystectomy	46	0.0	2.6	*	2.2	4.4	*	2.2	5.5	*
Hysterectomy	20	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL WILMA N VAZQUEZ

Calle Bx 7001
Vega Baja, PR 00764

Medicare Provider Number: 400115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	6.3	7.6	1.5	9.3	11.8	1.7	11.9	15.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	42.1	26.3	*	42.1	29.9	*	42.1	33.5	*
Congestive Heart Failure	42	19.0	15.4	*	26.2	23.4	*	33.3	30.2	*
Pneumonia/Influenza	51	13.7	16.2	6.2	21.6	21.6	5.9	25.5	25.9	6.3
Chronic Obstructive Pulmonary Disease	7	0.0	5.2	*	0.0	9.8	*	0.0	13.9	*
Transient Cerebral Ischemia	32	3.1	2.2	*	9.4	5.0	*	12.5	8.1	*
Stroke	10	10.0	23.0	*	10.0	28.5	*	10.0	32.5	*
Hip Fracture	7	14.3	8.7	*	28.6	14.2	*	28.6	17.5	*
Sepsis	5	20.0	28.1	*	20.0	38.4	*	20.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	3	33.3	7.8	*	66.7	13.3	*	66.7	16.4	*
Prostatectomy	34	0.0	0.8	*	0.0	2.1	*	0.0	3.7	*
Cholecystectomy	6	0.0	2.5	*	0.0	4.3	*	0.0	5.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 82
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 43
Licensed Practical Nurses 45

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPITAL WILMA N VAZQUEZ

Medicare Provider Number: 400115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	746	7.6	7.1	1.1	9.5	10.7	1.2	11.4	13.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	28	42.9	27.1	*	46.4	30.0	*	50.0	33.1	*
Congestive Heart Failure	38	21.1	15.1	*	23.7	22.6	*	28.9	29.1	*
Pneumonia/Influenza	33	6.1	13.6	*	9.1	17.9	*	9.1	21.5	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.4	*	20.0	13.3	*	20.0	18.8	*
Transient Cerebral Ischemia	22	0.0	1.9	*	4.5	4.0	*	4.5	6.3	*
Stroke	17	52.9	20.9	*	58.8	27.6	*	64.7	31.9	*
Hip Fracture	11	0.0	9.7	*	0.0	16.4	*	0.0	20.2	*
Sepsis	1	0.0	10.3	*	0.0	15.8	*	100.0	19.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	6.1	*	0.0	10.2	*	0.0	12.6	*
Open Reduction of Hip Fracture	6	0.0	10.4	*	0.0	18.9	*	0.0	23.8	*
Prostatectomy	29	0.0	1.3	*	3.4	3.2	*	3.4	5.5	*
Cholecystectomy	7	0.0	1.7	*	0.0	2.9	*	0.0	3.7	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	711	6.3	7.0	1.2	9.1	10.6	1.5	11.3	13.6	2.1
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	29.4	*	42.9	34.4	*	47.6	38.2	*
Congestive Heart Failure	42	14.3	16.1	*	26.2	23.8	*	33.3	30.2	*
Pneumonia/Influenza	65	9.2	15.9	8.5	18.5	21.4	7.0	21.5	25.6	7.4
Chronic Obstructive Pulmonary Disease	25	24.0	13.9	*	24.0	22.6	*	28.0	29.1	*
Transient Cerebral Ischemia	14	7.1	1.5	*	7.1	3.2	*	7.1	5.1	*
Stroke	10	10.0	15.2	*	20.0	21.8	*	20.0	26.1	*
Hip Fracture	5	20.0	7.4	*	20.0	13.8	*	40.0	18.2	*
Sepsis	1	0.0	17.4	*	0.0	23.3	*	0.0	28.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.3	*	0.0	5.2	*	0.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	4.0	*	33.3	7.7	*	33.3	10.4	*
Open Reduction of Hip Fracture	3	0.0	7.0	*	0.0	13.7	*	33.3	18.5	*
Prostatectomy	27	3.7	1.0	*	3.7	2.5	*	3.7	4.3	*
Cholecystectomy	9	0.0	3.4	*	11.1	6.4	*	11.1	8.3	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPTIAL MENONITA DE CAYEY

4 Mendoza St
Cayey, PR 00633

Medicare Provider Number: 400013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	826	4.8	7.5	1.1	6.9	11.1	1.6	9.4	14.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	30.3	*	25.0	34.2	*	30.6	38.1	*
Congestive Heart Failure	40	12.5	21.5	*	12.5	32.4	*	25.0	40.7	*
Pneumonia/Influenza	21	4.8	15.4	*	23.8	20.9	*	23.8	25.3	*
Chronic Obstructive Pulmonary Disease	1	0.0	18.0	*	0.0	25.5	*	0.0	31.8	*
Transient Cerebral Ischemia	4	0.0	2.2	*	0.0	5.3	*	0.0	9.0	*
Stroke	27	18.5	19.2	*	18.5	25.2	*	22.2	29.5	*
Hip Fracture	0									
Sepsis	10	40.0	36.6	*	40.0	42.3	*	40.0	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	50	0.0	0.5	*	2.0	1.1	*	4.0	1.8	*
Cholecystectomy	22	0.0	1.6	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 46
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 15
Licensed Practical Nurses 7

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HOSPTIAL MENONITA DE CAYEY

Medicare Provider Number: 400013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	712	5.3	7.8	1.2	8.0	11.5	1.5	9.6	14.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	36	25.0	30.6	*	27.8	34.6	*	27.8	38.4	*
Congestive Heart Failure	24	12.5	17.7	*	16.7	27.7	*	25.0	35.3	*
Pneumonia/Influenza	29	10.3	17.4	*	13.8	23.5	*	17.2	28.1	*
Chronic Obstructive Pulmonary Disease	3	33.3	14.3	*	33.3	25.1	*	33.3	33.4	*
Transient Cerebral Ischemia	5	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke	28	14.3	20.8	*	21.4	27.2	*	25.0	31.8	*
Hip Fracture	1	0.0	7.3	*	0.0	13.5	*	0.0	17.5	*
Sepsis	6	33.3	27.4	*	33.3	34.0	*	33.3	40.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	37	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*
Cholecystectomy	4	0.0	1.0	*	0.0	1.9	*	0.0	2.6	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	610	3.3	6.8	1.4	6.2	10.4	1.6	8.4	13.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	34.7	*	33.3	38.5	*	33.3	42.2	*
Congestive Heart Failure	14	7.1	16.2	*	7.1	24.8	*	7.1	31.9	*
Pneumonia/Influenza	30	13.3	20.2	*	13.3	26.7	*	16.7	31.8	*
Chronic Obstructive Pulmonary Disease	22	0.0	15.3	*	9.1	25.9	*	13.6	33.2	*
Transient Cerebral Ischemia	6	0.0	1.8	*	0.0	3.9	*	0.0	6.2	*
Stroke	20	15.0	23.4	*	25.0	30.1	*	25.0	34.9	*
Hip Fracture	0									
Sepsis	3	0.0	53.8	*	33.3	63.9	*	66.7	70.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	36	0.0	1.2	*	0.0	2.9	*	2.8	4.8	*
Cholecystectomy	9	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HUMACAO AREA HOSPITAL

Box 115
Humacao, PR 00661

Medicare Provider Number: 400031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	527	12.7	10.3	1.8	15.7	14.3	1.8	19.4	17.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	43.5	29.4	*	47.8	32.6	*	52.2	36.4	*
Congestive Heart Failure	28	14.3	13.3	*	17.9	20.8	*	17.9	27.2	*
Pneumonia/Influenza	26	19.2	15.2	*	23.1	20.3	*	30.8	24.7	*
Chronic Obstructive Pulmonary Disease	2	0.0	11.1	*	0.0	17.3	*	50.0	22.3	*
Transient Cerebral Ischemia	8	12.5	2.5	*	25.0	5.6	*	25.0	9.1	*
Stroke	16	37.5	21.4	*	37.5	27.9	*	37.5	32.3	*
Hip Fracture	1	0.0	9.4	*	0.0	17.7	*	0.0	23.2	*
Sepsis	9	44.4	37.9	*	55.6	45.8	*	55.6	53.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	10	10.0	0.4	*	10.0	1.0	*	10.0	1.7	*
Cholecystectomy	10	0.0	1.4	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 153
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 116
Licensed Practical Nurses 70

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... Yes
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

HUMACAO AREA HOSPITAL

Medicare Provider Number: 400031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	555	13.2	9.7	1.7	16.2	14.3	1.9	19.6	18.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	26.8	*	27.8	29.9	*	33.3	33.8	*
Congestive Heart Failure	39	7.7	14.6	*	15.4	22.9	*	17.9	29.8	*
Pneumonia/Influenza	17	29.4	21.8	*	35.3	28.9	*	41.2	34.3	*
Chronic Obstructive Pulmonary Disease	2	0.0	9.9	*	0.0	21.8	*	0.0	32.8	*
Transient Cerebral Ischemia	9	0.0	1.7	*	11.1	3.7	*	11.1	5.9	*
Stroke	26	42.3	20.8	*	42.3	27.2	*	42.3	31.7	*
Hip Fracture	1	0.0	6.9	*	0.0	12.5	*	0.0	16.0	*
Sepsis	11	72.7	36.1	*	81.8	41.8	*	100.0	48.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	6.5	*	0.0	12.2	*	0.0	15.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*
Cholecystectomy	2	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*
Hysterectomy	1	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	388	9.3	9.9	1.7	14.7	14.3	2.1	20.1	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	17	0.0	25.9	*	5.9	30.7	*	11.8	34.4	*
Congestive Heart Failure	26	3.8	15.8	*	7.7	23.4	*	30.8	29.8	*
Pneumonia/Influenza	17	5.9	20.7	*	5.9	27.3	*	11.8	32.4	*
Chronic Obstructive Pulmonary Disease	14	7.1	11.8	*	14.3	18.5	*	21.4	23.3	*
Transient Cerebral Ischemia	10	0.0	1.5	*	20.0	2.9	*	20.0	4.5	*
Stroke	14	50.0	17.7	*	50.0	23.9	*	57.1	28.0	*
Hip Fracture	0									
Sepsis	4	50.0	32.6	*	50.0	37.9	*	50.0	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*
Cholecystectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

INSTITUTO OFTALMICO DE PUERTO RICO

Avenida Ponce De Leon 160
San Juan, PR 00901

Medicare Provider Number: 400023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	82	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 48
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 7
Licensed Practical Nurses 3

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

INSTITUTO OFTALMICO DE PUERTO RICO

Medicare Provider Number: 400023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	200	0.5	0.4	0.5	0.5	1.0	0.9	1.5	1.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	205	0.5	0.6	0.7	1.5	1.1	0.8	1.5	1.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	34.0	*	100.0	37.2	*	100.0	40.8	*
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

LAFAYETTE HOSPITAL

Box 448
Arroyo, PR 00615

Medicare Provider Number: 400026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	338	2.7	8.2	2.1	6.5	12.4	2.4	9.5	15.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	33.0	*	14.3	38.2	*	14.3	42.7	*
Congestive Heart Failure	20	5.0	17.5	*	10.0	27.2	*	30.0	34.7	*
Pneumonia/Influenza	24	0.0	12.2	*	0.0	16.6	*	0.0	20.1	*
Chronic Obstructive Pulmonary Disease	11	0.0	7.7	*	0.0	15.3	*	9.1	22.2	*
Transient Cerebral Ischemia	8	0.0	2.7	*	12.5	6.1	*	12.5	9.9	*
Stroke	17	5.9	17.5	*	17.6	24.3	*	17.6	28.7	*
Hip Fracture	0									
Sepsis	9	22.2	25.5	*	22.2	33.4	*	22.2	38.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	15	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	5	0.0	0.9	*	0.0	1.6	*	0.0	2.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 66
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 24
Licensed Practical Nurses 7

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

LAFAYETTE HOSPITAL

Medicare Provider Number: 400026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	265	6.4	7.1	1.7	10.9	11.0	2.4	11.7	14.2	3.2
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	12.0	*	100.0	16.0	*	100.0	19.8	*
Congestive Heart Failure	11	9.1	13.1	*	18.2	19.9	*	27.3	25.7	*
Pneumonia/Influenza	10	10.0	15.0	*	10.0	20.1	*	10.0	24.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.6	*	0.0	12.3	*	0.0	16.5	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.7	*	0.0	7.6	*
Stroke	17	35.3	20.3	*	41.2	26.5	*	41.2	30.9	*
Hip Fracture	0									
Sepsis	5	0.0	19.6	*	0.0	25.3	*	0.0	30.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	7	14.3	0.9	*	14.3	2.3	*	14.3	4.0	*
Cholecystectomy	7	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	1	0.0	0.7	*	0.0	1.6	*	0.0	2.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	294	6.1	7.5	1.8	9.2	11.8	2.4	10.5	15.3	3.1
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	36.0	*	100.0	38.7	*	100.0	42.6	*
Congestive Heart Failure	20	10.0	17.2	*	20.0	25.6	*	20.0	32.4	*
Pneumonia/Influenza	18	11.1	23.4	*	16.7	31.2	*	16.7	36.4	*
Chronic Obstructive Pulmonary Disease	7	0.0	18.2	*	0.0	30.7	*	0.0	39.1	*
Transient Cerebral Ischemia	7	0.0	2.4	*	0.0	5.2	*	0.0	8.4	*
Stroke	6	50.0	26.9	*	50.0	34.4	*	50.0	39.8	*
Hip Fracture	0									
Sepsis	1	0.0	34.4	*	100.0	39.9	*	100.0	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	7	14.3	0.4	*	14.3	0.8	*	14.3	1.4	*
Cholecystectomy	4	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MAYAGUEZ MEDICAL CENTER

P O Box 1868
Mayaguez, PR 00708

Medicare Provider Number: 400103

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,325	18.9	11.5	1.5	24.8	16.6	1.9	29.0	20.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	81	34.6	26.7	6.5	42.0	29.6	8.5	44.4	32.6	8.4
Congestive Heart Failure	82	22.0	13.4	5.1	32.9	20.4	7.2	37.8	26.5	6.7
Pneumonia/Influenza	70	37.1	19.6	7.0	40.0	25.9	7.5	45.7	30.7	7.5
Chronic Obstructive Pulmonary Disease	12	33.3	6.8	*	41.7	13.4	*	50.0	19.5	*
Transient Cerebral Ischemia	14	21.4	2.8	*	21.4	6.2	*	35.7	9.8	*
Stroke	43	41.9	24.3	*	46.5	30.4	*	51.2	34.6	*
Hip Fracture	70	5.7	8.0	3.7	10.0	13.6	6.6	10.0	17.1	7.0
Sepsis	21	42.9	25.5	*	52.4	31.8	*	52.4	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.8	*	0.0	5.0	*	0.0	7.1	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	15	6.7	7.0	*	6.7	12.2	*	6.7	15.3	*
Open Reduction of Hip Fracture	43	4.7	7.0	*	9.3	12.5	*	9.3	15.9	*
Prostatectomy	12	0.0	0.8	*	0.0	2.1	*	0.0	3.6	*
Cholecystectomy	39	5.1	3.4	*	10.3	6.1	*	12.8	7.9	*
Hysterectomy	18	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 391
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 13
Registered Nurses 207
Licensed Practical Nurses 170

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

MAYAGUEZ MEDICAL CENTER

Medicare Provider Number: 400103

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,329	20.4	12.5	1.5	27.2	17.7	2.4	30.3	21.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	116	26.7	24.6	4.1	30.2	27.7	4.4	33.6	31.0	4.5
Congestive Heart Failure	85	29.4	15.4	6.3	37.6	23.1	6.8	42.4	29.5	6.7
Pneumonia/Influenza	81	34.6	18.1	7.2	46.9	23.5	7.3	50.6	27.8	7.5
Chronic Obstructive Pulmonary Disease	9	0.0	6.1	*	11.1	12.8	*	11.1	19.0	*
Transient Cerebral Ischemia	9	55.6	2.2	*	66.7	4.5	*	66.7	7.0	*
Stroke	28	60.7	30.7	*	67.9	36.4	*	67.9	40.6	*
Hip Fracture	54	13.0	7.2	5.1	25.9	12.6	7.7	25.9	16.0	8.0
Sepsis	15	60.0	29.3	*	73.3	34.9	*	80.0	40.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	4.4	*	0.0	7.1	*	0.0	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.3	*	0.0	7.7	*	0.0	9.9	*
Open Reduction of Hip Fracture	21	9.5	4.7	*	23.8	9.0	*	23.8	12.0	*
Prostatectomy	11	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	35	5.7	4.9	*	5.7	8.1	*	11.4	9.9	*
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,195	17.0	10.9	1.1	23.6	15.6	1.4	28.6	19.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	89	40.4	27.2	6.4	44.9	30.5	6.8	49.4	34.0	7.4
Congestive Heart Failure	58	15.5	16.6	5.2	29.3	25.2	5.9	44.8	32.3	7.8
Pneumonia/Influenza	67	23.9	19.5	7.2	34.3	25.3	10.1	37.3	29.5	9.3
Chronic Obstructive Pulmonary Disease	10	40.0	10.9	*	40.0	18.0	*	50.0	23.6	*
Transient Cerebral Ischemia	8	12.5	3.1	*	12.5	6.8	*	37.5	11.0	*
Stroke	29	69.0	29.4	*	75.9	35.4	*	82.8	39.6	*
Hip Fracture	46	8.7	6.6	*	15.2	11.9	*	21.7	15.5	*
Sepsis	13	69.2	32.2	*	69.2	38.9	*	84.6	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.0	*	0.0	4.2	*	0.0	6.3	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	5	0.0	9.2	*	0.0	17.2	*	20.0	22.5	*
Open Reduction of Hip Fracture	25	8.0	5.2	*	16.0	10.2	*	24.0	13.7	*
Prostatectomy	13	7.7	0.8	*	15.4	2.0	*	15.4	3.6	*
Cholecystectomy	32	6.3	2.5	*	6.3	4.4	*	6.3	5.7	*
Hysterectomy	12	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRO MEDICO DE MAYAGUEZ
DEPARTAMENTO DE SALUD
MAYAGUEZ, PUERTO RICO

BO. SABALOS
CARRETERA NUM. 2
KM. 157
MAYAGUEZ, P.R. 00708
TEL. 834-8686

HOSPITAL ID: 40013
January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Mr. Angel Franceschi, MSHA
General Hospital Administrator
Mayaguez Medical Center
P.O. Box 1868
Mayaguez, PR 00708

MEDICARE HOSPITAL MORTALITY DATA

During the FY 1989 there was 1,325 patients discharge from Mayaguez Medical Center, 197 patients died in the Hospital and 261 patients died after discharged.

This mortality information was analyze finding the following facts:

a. In the previous year's there was only considered the mortality 30 days after discharge and in this year there was considered mortality in 90 and 180 days after admission. We considered this is not fair because patients could died by other reasons not related to quality problems.

b. We also found that 54 patients died after 180 days from discharge and there were considered to calculated our mortality rate. (see attachment) A total of 270 patients died in 30 days, 329 in 90 days and 387 in 180 days.

c. The average age of the patients died in our hospital was 76 years, and also they were patients with more than one comorbidities.

d. We valited the hospital characteristics for 1989 and they were incorrect in some aspects. The correct information is:

   Total beds (#) (in use) - 253
   Registered nurses - 384
   Medical residents/interns - 72

e. We found problems in the interpretation of the equation used to calculate mortality rates. We would like to analyze the mortalities in details and we also send the information to the chief's of Departments for futher evaluation.

f. The OB-Gyn Department analyze the mortality information finding only one mortality in a patient with Ovarian Cancer, Stage III. The 60% of the patients with Ovarian Cancer have there diagnosis in the final stage of the disease which makes poor prognosis.

ra

Enclosures

MENNONITE GENERAL HOSPITAL INC

P O Box 626
Aibonito, PR 00609

Medicare Provider Number: 400018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	994	9.1	7.8	1.1	12.5	11.6	1.1	14.7	14.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	28.3	*	26.9	31.6	*	26.9	35.0	*
Congestive Heart Failure	52	21.2	15.8	5.6	23.1	24.3	6.0	25.0	31.3	7.0
Pneumonia/Influenza	62	6.5	15.7	7.5	11.3	20.8	9.3	12.9	25.0	9.3
Chronic Obstructive Pulmonary Disease	8	12.5	11.5	*	25.0	18.4	*	25.0	24.1	*
Transient Cerebral Ischemia	24	29.2	1.9	*	33.3	4.1	*	33.3	6.6	*
Stroke	34	29.4	25.3	*	38.2	32.4	*	41.2	37.1	*
Hip Fracture	11	0.0	5.4	*	9.1	9.8	*	9.1	12.9	*
Sepsis	11	54.5	28.3	*	63.6	36.1	*	63.6	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	1.4	*	5.6	2.8	*	5.6	4.1	*
Open Reduction of Hip Fracture	5	0.0	5.0	*	0.0	9.2	*	0.0	12.2	*
Prostatectomy	78	0.0	0.6	1.1	1.3	1.6	1.6	1.3	2.7	2.3
Cholecystectomy	34	2.9	1.3	*	2.9	2.5	*	2.9	3.4	*
Hysterectomy	17	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 131
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 65
Licensed Practical Nurses 49

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

MENNONITE GENERAL HOSPITAL INC

Medicare Provider Number: 400018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	870	9.2	7.7	1.6	13.1	11.3	1.8	16.1	14.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	32.1	28.3	*	32.1	31.2	*	35.7	34.4	*
Congestive Heart Failure	38	10.5	15.3	*	18.4	22.5	*	26.3	28.9	*
Pneumonia/Influenza	49	16.3	17.9	*	20.4	23.6	*	22.4	27.8	*
Chronic Obstructive Pulmonary Disease	9	0.0	8.2	*	11.1	13.7	*	22.2	18.0	*
Transient Cerebral Ischemia	29	17.2	2.5	*	24.1	5.7	*	31.0	9.3	*
Stroke	27	48.1	20.1	*	48.1	26.2	*	48.1	30.5	*
Hip Fracture	8	12.5	6.4	*	12.5	11.6	*	12.5	15.2	*
Sepsis	13	38.5	29.2	*	53.8	36.4	*	53.8	43.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	25.2	*	0.0	28.8	*	0.0	32.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.4	*	0.0	2.7	*	0.0	3.8	*
Open Reduction of Hip Fracture	6	16.7	5.4	*	16.7	10.6	*	16.7	14.2	*
Prostatectomy	78	1.3	0.8	1.9	3.8	1.9	2.3	3.8	3.1	2.4
Cholecystectomy	29	0.0	1.4	*	3.4	2.3	*	3.4	3.1	*
Hysterectomy	20	0.0	0.2	*	5.0	0.5	*	5.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	734	6.7	7.2	1.1	10.5	10.7	1.6	12.1	13.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	22	9.1	26.4	*	9.1	29.7	*	13.6	33.1	*
Congestive Heart Failure	40	10.0	18.1	*	15.0	26.8	*	25.0	34.1	*
Pneumonia/Influenza	40	25.0	17.8	*	32.5	23.2	*	32.5	27.5	*
Chronic Obstructive Pulmonary Disease	16	6.3	11.6	*	6.3	20.2	*	6.3	27.0	*
Transient Cerebral Ischemia	14	14.3	2.5	*	21.4	5.6	*	21.4	8.8	*
Stroke	20	15.0	21.0	*	25.0	27.9	*	30.0	32.5	*
Hip Fracture	4	0.0	10.0	*	25.0	17.0	*	25.0	21.1	*
Sepsis	2	100.0	46.8	*	100.0	52.8	*	100.0	59.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Open Reduction of Hip Fracture	2	0.0	8.2	*	0.0	14.8	*	0.0	18.9	*
Prostatectomy	54	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	29	0.0	2.3	*	0.0	3.6	*	3.4	4.4	*
Hysterectomy	21	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

METROPOLITAN HOSPITAL

1785 Road 21-Las Lomas
Rio Piedras, PR 00922

Medicare Provider Number: 400106

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,449	10.1	8.3	1.3	13.9	12.5	1.3	17.0	15.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	52	23.1	27.8	9.7	25.0	31.1	10.9	28.8	34.5	11.6
Congestive Heart Failure	48	22.9	17.5	*	35.4	26.7	*	43.8	33.8	*
Pneumonia/Influenza	51	17.6	18.2	5.5	25.5	24.5	6.1	31.4	29.2	9.6
Chronic Obstructive Pulmonary Disease	15	0.0	4.0	*	0.0	8.0	*	6.7	11.6	*
Transient Cerebral Ischemia	16	0.0	2.0	*	0.0	4.2	*	0.0	6.6	*
Stroke	33	45.5	21.1	*	54.5	27.8	*	57.6	32.2	*
Hip Fracture	7	0.0	8.7	*	0.0	15.4	*	0.0	19.8	*
Sepsis	22	59.1	36.3	*	63.6	43.5	*	68.2	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	5.1	*	0.0	10.0	*	0.0	13.5	*
Open Reduction of Hip Fracture	2	0.0	13.4	*	0.0	23.3	*	0.0	29.3	*
Prostatectomy	115	0.0	0.5	1.0	0.9	1.2	1.5	2.6	2.1	1.9
Cholecystectomy	44	6.8	2.1	*	6.8	3.4	*	6.8	4.2	*
Hysterectomy	14	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 180
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 46
Licensed Practical Nurses 76

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

METROPOLITAN HOSPITAL

Medicare Provider Number: 400106

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,595	7.5	6.9	0.8	10.7	10.7	1.0	14.8	13.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	42	16.7	26.6	*	23.8	29.8	*	28.6	33.2	*
Congestive Heart Failure	57	7.0	13.4	7.7	14.0	20.8	9.8	19.3	27.1	11.8
Pneumonia/Influenza	44	25.0	17.3	*	25.0	23.2	*	31.8	27.8	*
Chronic Obstructive Pulmonary Disease	28	10.7	7.3	*	21.4	13.9	*	21.4	19.5	*
Transient Cerebral Ischemia	18	5.6	2.3	*	5.6	5.0	*	11.1	8.0	*
Stroke	37	18.9	23.7	*	21.6	30.3	*	24.3	34.9	*
Hip Fracture	6	33.3	5.9	*	33.3	10.2	*	33.3	12.8	*
Sepsis	18	44.4	38.5	*	61.1	46.0	*	61.1	52.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	7.1	*	50.0	12.9	*	50.0	16.1	*
Open Reduction of Hip Fracture	0									
Prostatectomy	87	1.1	0.5	1.1	1.1	1.2	1.4	2.3	2.0	1.5
Cholecystectomy	40	0.0	2.2	*	0.0	4.0	*	0.0	5.1	*
Hysterectomy	9	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,379	7.3	6.0	0.8	10.9	9.3	1.2	12.7	12.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	38	26.3	27.5	*	36.8	30.6	*	36.8	33.9	*
Congestive Heart Failure	33	15.2	13.2	*	15.2	20.6	*	18.2	27.0	*
Pneumonia/Influenza	49	28.6	18.2	*	32.7	24.1	*	34.7	28.6	*
Chronic Obstructive Pulmonary Disease	42	4.8	8.4	*	7.1	14.3	*	11.9	19.0	*
Transient Cerebral Ischemia	12	8.3	1.6	*	8.3	3.3	*	8.3	5.2	*
Stroke	34	26.5	18.8	*	35.3	26.0	*	38.2	30.5	*
Hip Fracture	11	9.1	6.3	*	18.2	11.5	*	18.2	15.0	*
Sepsis	11	45.5	31.5	*	72.7	39.3	*	72.7	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	8.4	*	0.0	15.0	*	0.0	19.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	3.7	*	20.0	7.4	*	20.0	10.1	*
Open Reduction of Hip Fracture	5	0.0	6.0	*	0.0	11.0	*	0.0	14.3	*
Prostatectomy	81	0.0	0.5	0.9	0.0	1.1	1.5	1.2	1.9	1.8
Cholecystectomy	36	0.0	1.4	*	2.8	2.5	*	2.8	3.4	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PAVIA HOSPITAL

Asia Street No 1462
Santurce, PR 00909

Medicare Provider Number: 400019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,424	8.4	9.2	0.9	11.6	14.0	1.4	15.1	17.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	34	35.3	28.6	*	35.3	31.7	*	38.2	34.7	*
Congestive Heart Failure	80	12.5	15.4	6.5	16.2	23.4	8.4	26.2	30.3	6.6
Pneumonia/Influenza	27	11.1	16.9	*	14.8	22.7	*	18.5	27.1	*
Chronic Obstructive Pulmonary Disease	8	12.5	6.3	*	12.5	10.8	*	12.5	14.7	*
Transient Cerebral Ischemia	5	0.0	2.7	*	0.0	6.6	*	0.0	11.0	*
Stroke	48	16.7	20.2	*	20.8	27.1	*	27.1	31.6	*
Hip Fracture	21	0.0	7.8	*	0.0	13.3	*	19.0	16.7	*
Sepsis	17	58.8	36.6	*	64.7	45.8	*	64.7	52.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	4.0	*	0.0	7.5	*	10.5	10.7	*
Carotid Endarterectomy	2	50.0	0.8	*	50.0	1.2	*	50.0	1.8	*
Hip Replacement/Reconstruction	16	0.0	1.8	*	0.0	2.9	*	0.0	3.7	*
Open Reduction of Hip Fracture	13	0.0	7.5	*	0.0	13.5	*	23.1	17.4	*
Prostatectomy	127	0.0	0.7	1.0	0.0	1.6	1.8	1.6	2.7	1.7
Cholecystectomy	40	5.0	2.1	*	5.0	3.9	*	7.5	5.4	*
Hysterectomy	14	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 197
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 1
Registered Nurses 102
Licensed Practical Nurses 72

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

PAVIA HOSPITAL

Medicare Provider Number: 400019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,372	8.3	9.0	1.1	12.7	13.2	1.4	15.4	16.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	32	28.1	33.4	*	28.1	36.9	*	31.3	40.6	*
Congestive Heart Failure	55	14.5	14.1	4.8	30.9	21.6	7.0	36.4	28.1	7.8
Pneumonia/Influenza	27	14.8	17.7	*	29.6	23.9	*	29.6	28.7	*
Chronic Obstructive Pulmonary Disease	27	14.8	6.3	*	14.8	11.7	*	22.2	16.7	*
Transient Cerebral Ischemia	11	0.0	2.1	*	0.0	4.8	*	9.1	7.5	*
Stroke	28	17.9	22.0	*	21.4	28.5	*	28.6	32.9	*
Hip Fracture	14	7.1	6.8	*	7.1	12.1	*	14.3	15.6	*
Sepsis	2	50.0	33.1	*	50.0	43.0	*	50.0	48.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	8.0	*	9.1	11.0	*	9.1	13.5	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	7	0.0	5.0	*	0.0	8.3	*	14.3	10.2	*
Open Reduction of Hip Fracture	2	0.0	5.7	*	0.0	10.0	*	0.0	12.8	*
Prostatectomy	105	1.0	0.7	1.1	1.9	1.8	1.4	1.9	3.0	2.2
Cholecystectomy	24	0.0	2.9	*	0.0	5.3	*	4.2	6.9	*
Hysterectomy	10	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,236	8.3	7.8	1.0	12.5	11.9	1.0	15.9	15.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	38	31.6	29.2	*	36.8	32.3	*	39.5	35.5	*
Congestive Heart Failure	79	21.5	15.4	5.2	31.6	23.1	7.3	39.2	29.7	7.4
Pneumonia/Influenza	22	31.8	17.2	*	36.4	22.9	*	36.4	27.4	*
Chronic Obstructive Pulmonary Disease	14	0.0	6.9	*	7.1	11.9	*	14.3	16.0	*
Transient Cerebral Ischemia	4	0.0	1.2	*	0.0	2.3	*	0.0	3.6	*
Stroke	36	22.2	23.4	*	33.3	30.5	*	36.1	35.0	*
Hip Fracture	18	0.0	6.2	*	5.6	11.4	*	11.1	14.9	*
Sepsis	2	0.0	51.4	*	50.0	56.8	*	50.0	62.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	3.9	*	16.7	6.7	*	16.7	9.1	*
Carotid Endarterectomy	4	0.0	2.1	*	0.0	4.0	*	0.0	5.7	*
Hip Replacement/Reconstruction	9	0.0	3.2	*	0.0	6.2	*	0.0	8.3	*
Open Reduction of Hip Fracture	5	0.0	8.3	*	20.0	15.5	*	20.0	20.1	*
Prostatectomy	92	0.0	0.6	0.9	0.0	1.3	1.7	1.1	2.3	1.9
Cholecystectomy	31	3.2	1.1	*	3.2	2.0	*	3.2	2.9	*
Hysterectomy	9	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PONCE DISTRICT HOSPITAL

Bo Machuelo
Ponce, PR 00731

Medicare Provider Number: 400044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,169	16.9	9.7	1.3	22.5	13.9	1.9	25.8	17.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	51	29.4	25.6	6.4	31.4	28.4	6.5	33.3	31.6	6.6
Congestive Heart Failure	70	22.9	15.2	6.2	34.3	23.1	8.4	44.3	29.6	9.8
Pneumonia/Influenza	66	39.4	18.1	7.4	42.4	24.0	7.3	47.0	28.6	7.4
Chronic Obstructive Pulmonary Disease	14	14.3	4.3	*	21.4	9.1	*	28.6	13.5	*
Transient Cerebral Ischemia	18	5.6	1.8	*	16.7	3.9	*	16.7	6.1	*
Stroke	69	33.3	18.4	8.8	37.7	24.2	8.6	40.6	28.1	8.8
Hip Fracture	43	9.3	7.5	*	14.0	13.2	*	18.6	16.8	*
Sepsis	14	78.6	29.9	*	78.6	35.5	*	85.7	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	11.6	*	100.0	16.8	*	100.0	19.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	9.1	*	10.0	16.5	*	10.0	21.2	*
Open Reduction of Hip Fracture	3	0.0	5.0	*	0.0	9.4	*	0.0	12.3	*
Prostatectomy	26	3.8	0.5	*	3.8	1.2	*	3.8	2.1	*
Cholecystectomy	6	0.0	2.0	*	16.7	3.0	*	16.7	3.7	*
Hysterectomy	4	25.0	1.3	*	25.0	2.7	*	25.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 457
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 88
Registered Nurses 398
Licensed Practical Nurses 249

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

PONCE DISTRICT HOSPITAL

Medicare Provider Number: 400044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,053	17.4	10.5	1.2	23.2	14.8	1.8	26.0	18.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	61	26.2	28.6	6.7	29.5	31.6	6.6	32.8	35.1	6.4
Congestive Heart Failure	86	19.8	15.6	7.9	26.7	23.1	7.4	33.7	29.6	7.9
Pneumonia/Influenza	62	37.1	16.7	8.1	40.3	21.7	8.3	43.5	25.7	8.3
Chronic Obstructive Pulmonary Disease	17	5.9	5.5	*	11.8	9.9	*	11.8	13.9	*
Transient Cerebral Ischemia	17	17.6	2.1	*	17.6	4.5	*	17.6	7.2	*
Stroke	57	38.6	22.0	7.6	42.1	28.1	7.4	43.9	32.6	7.1
Hip Fracture	37	21.6	5.8	*	24.3	10.7	*	27.0	14.0	*
Sepsis	22	54.5	34.5	*	63.6	39.7	*	68.2	45.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	2.8	*	100.0	6.0	*	100.0	8.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.2	*	0.0	7.7	*	0.0	9.9	*
Open Reduction of Hip Fracture	5	0.0	4.4	*	0.0	8.5	*	0.0	11.3	*
Prostatectomy	31	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	6	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	16	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	970	17.2	9.5	1.3	22.3	14.1	1.5	25.8	17.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	30	30.0	25.4	*	30.0	28.4	*	36.7	31.8	*
Congestive Heart Failure	52	36.5	15.8	9.0	50.0	23.8	8.6	55.8	30.5	8.8
Pneumonia/Influenza	33	36.4	17.0	*	42.4	22.2	*	48.5	26.1	*
Chronic Obstructive Pulmonary Disease	32	28.1	12.9	*	43.8	20.5	*	53.1	25.8	*
Transient Cerebral Ischemia	4	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	56	51.8	17.6	6.5	55.4	24.3	6.8	57.1	28.5	6.5
Hip Fracture	49	12.2	6.1	*	22.4	11.1	*	24.5	14.5	*
Sepsis	4	100.0	34.3	*	100.0	39.9	*	100.0	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	15.0	*	0.0	20.2	*	100.0	22.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.9	*	20.0	11.2	*	20.0	14.8	*
Open Reduction of Hip Fracture	1	0.0	4.2	*	100.0	8.2	*	100.0	11.0	*
Prostatectomy	30	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*
Cholecystectomy	11	0.0	2.7	*	0.0	4.4	*	0.0	5.3	*
Hysterectomy	11	9.1	1.6	*	9.1	3.3	*	9.1	4.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

RYDER MEMORIAL HOSPITAL

Box 489
Humacao, PR 00661

Medicare Provider Number: 400007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,272	13.4	9.3	1.3	17.1	13.6	1.2	20.7	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	28.3	*	40.0	32.3	*	42.9	36.0	*
Congestive Heart Failure	63	19.0	14.9	4.7	25.4	23.2	5.4	34.9	30.1	6.0
Pneumonia/Influenza	66	22.7	16.8	7.7	27.3	22.7	9.9	34.8	27.2	12.4
Chronic Obstructive Pulmonary Disease	10	50.0	11.7	*	50.0	20.8	*	50.0	28.2	*
Transient Cerebral Ischemia	20	0.0	2.0	*	0.0	4.5	*	5.0	7.3	*
Stroke	48	25.0	20.3	*	29.2	28.5	*	41.7	33.4	*
Hip Fracture	11	9.1	7.1	*	18.2	12.5	*	27.3	16.2	*
Sepsis	51	49.0	35.9	11.4	56.9	43.2	11.2	60.8	49.6	10.4
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.7	*	0.0	6.5	*	0.0	9.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.8	*	0.0	9.0	*	16.7	11.7	*
Open Reduction of Hip Fracture	5	20.0	5.6	*	20.0	10.4	*	20.0	13.8	*
Prostatectomy	53	7.5	1.0	2.4	11.3	2.2	3.2	13.2	3.6	3.8
Cholecystectomy	37	8.1	1.4	*	8.1	2.6	*	8.1	3.6	*
Hysterectomy	20	5.0	0.5	*	5.0	1.0	*	5.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 144
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 63
Licensed Practical Nurses 151

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

RYDER MEMORIAL HOSPITAL

Medicare Provider Number: 400007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,181	13.0	10.2	1.3	16.3	14.9	1.1	19.6	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	41	31.7	29.3	*	34.1	33.0	*	39.0	36.6	*
Congestive Heart Failure	69	14.5	14.7	4.3	18.8	22.3	6.5	23.2	28.8	9.9
Pneumonia/Influenza	61	14.8	19.7	5.9	19.7	26.2	7.1	21.3	30.9	9.1
Chronic Obstructive Pulmonary Disease	23	13.0	10.9	*	13.0	18.8	*	21.7	25.0	*
Transient Cerebral Ischemia	23	0.0	2.4	*	8.7	5.3	*	8.7	8.3	*
Stroke	58	25.9	20.7	5.8	29.3	28.6	6.0	34.5	33.6	6.3
Hip Fracture	13	7.7	7.8	*	15.4	13.7	*	15.4	17.5	*
Sepsis	43	37.2	29.6	*	44.2	37.0	*	46.5	43.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	6.5	*	0.0	11.8	*	0.0	16.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.1	*	14.3	9.4	*	14.3	12.2	*
Open Reduction of Hip Fracture	3	0.0	7.9	*	0.0	13.9	*	0.0	17.5	*
Prostatectomy	41	4.9	1.0	*	7.3	2.4	*	9.8	4.0	*
Cholecystectomy	25	4.0	1.8	*	4.0	3.5	*	4.0	4.9	*
Hysterectomy	16	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,025	12.5	9.8	1.4	16.1	13.8	1.6	20.2	17.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	40	40.0	32.8	*	42.5	36.3	*	47.5	39.9	*
Congestive Heart Failure	51	19.6	16.7	6.0	25.5	25.2	7.4	39.2	32.1	10.2
Pneumonia/Influenza	57	15.8	19.4	5.6	26.3	25.7	6.3	36.8	30.4	8.2
Chronic Obstructive Pulmonary Disease	20	10.0	17.3	*	25.0	26.5	*	30.0	32.4	*
Transient Cerebral Ischemia	33	6.1	2.0	*	9.1	4.4	*	9.1	7.1	*
Stroke	44	45.5	17.9	*	50.0	24.6	*	54.5	29.0	*
Hip Fracture	10	0.0	4.8	*	0.0	9.0	*	0.0	12.2	*
Sepsis	30	36.7	34.6	*	50.0	42.8	*	63.3	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	3.4	*	33.3	7.5	*	33.3	11.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	2.9	*	0.0	5.2	*	0.0	7.1	*
Open Reduction of Hip Fracture	1	0.0	4.4	*	0.0	8.7	*	0.0	11.8	*
Prostatectomy	37	0.0	0.9	*	0.0	2.2	*	2.7	3.8	*
Cholecystectomy	35	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	11	9.1	4.2	*	9.1	4.6	*	9.1	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN CARLOS GENERAL HOSPITAL

1822 Ponce De Leon Ave
Santurce, PR 00909

Medicare Provider Number: 400017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	625	8.6	7.5	1.5	11.5	11.3	1.3	13.9	14.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	27.0	*	27.8	29.9	*	27.8	33.4	*
Congestive Heart Failure	33	12.1	15.4	*	21.2	23.7	*	36.4	30.3	*
Pneumonia/Influenza	18	5.6	16.8	*	5.6	22.2	*	16.7	26.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.3	*	0.0	11.7	*	0.0	15.9	*
Transient Cerebral Ischemia	10	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	20	20.0	18.7	*	25.0	26.2	*	25.0	30.8	*
Hip Fracture	9	11.1	8.4	*	33.3	14.6	*	33.3	18.4	*
Sepsis	6	50.0	28.5	*	66.7	37.2	*	66.7	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	1.8	*	33.3	3.6	*	33.3	5.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	4.4	*	33.3	7.7	*	33.3	9.9	*
Open Reduction of Hip Fracture	2	0.0	7.0	*	0.0	13.0	*	0.0	17.0	*
Prostatectomy	22	0.0	0.7	*	4.5	1.7	*	4.5	2.9	*
Cholecystectomy	10	0.0	1.3	*	10.0	2.1	*	10.0	2.7	*
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 96
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 36
Licensed Practical Nurses 34

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SAN CARLOS GENERAL HOSPITAL

Medicare Provider Number: 400017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	523	7.5	7.9	1.2	10.3	11.9	1.8	12.6	15.4	2.5
CONDITIONS:										
Acute Myocardial Infarction	14	35.7	28.5	*	35.7	31.5	*	35.7	35.1	*
Congestive Heart Failure	29	10.3	14.4	*	10.3	21.7	*	13.8	28.0	*
Pneumonia/Influenza	19	10.5	15.3	*	10.5	20.1	*	15.8	24.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.2	*	0.0	9.8	*	0.0	13.8	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	3.0	*	0.0	4.8	*
Stroke	10	20.0	17.2	*	20.0	24.2	*	30.0	28.7	*
Hip Fracture	5	0.0	6.7	*	0.0	12.2	*	20.0	15.7	*
Sepsis	10	40.0	33.8	*	50.0	41.7	*	50.0	48.5	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*
Open Reduction of Hip Fracture	5	0.0	5.8	*	0.0	11.1	*	20.0	14.5	*
Prostatectomy	16	0.0	1.7	*	0.0	4.2	*	0.0	7.0	*
Cholecystectomy	8	12.5	3.0	*	12.5	6.1	*	12.5	8.6	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	509	8.4	7.0	1.6	10.4	10.7	1.4	12.2	13.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	7	0.0	25.5	*	0.0	28.0	*	28.6	31.4	*
Congestive Heart Failure	23	13.0	16.3	*	17.4	23.8	*	17.4	29.9	*
Pneumonia/Influenza	9	44.4	22.1	*	44.4	29.7	*	55.6	34.5	*
Chronic Obstructive Pulmonary Disease	16	12.5	11.3	*	18.8	18.6	*	18.8	24.2	*
Transient Cerebral Ischemia	6	0.0	3.6	*	0.0	8.4	*	0.0	13.7	*
Stroke	9	11.1	19.8	*	22.2	26.2	*	22.2	30.8	*
Hip Fracture	7	14.3	7.5	*	42.9	13.5	*	42.9	17.7	*
Sepsis	2	50.0	35.5	*	50.0	40.4	*	50.0	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	100.0	8.0	*	100.0	13.5	*	100.0	18.6	*
Open Reduction of Hip Fracture	2	0.0	7.6	*	50.0	13.7	*	50.0	17.5	*
Prostatectomy	20	0.0	1.5	*	0.0	3.9	*	0.0	6.6	*
Cholecystectomy	14	7.1	3.3	*	7.1	4.8	*	7.1	5.7	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN GERARDO HOSPITAL

El Senorial Mail Station #250
Rio Piedras, PR 00928

Medicare Provider Number: 400116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12	16.7	10.2	*	33.3	17.8	*	50.0	24.7	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	8.1	*	0.0	12.8	*	0.0	17.2	*
Pneumonia/Influenza	2	50.0	16.8	*	100.0	23.9	*	100.0	29.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	12.6	*	0.0	16.3	*	100.0	19.6	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 60
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 9
Licensed Practical Nurses 0

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... No
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SAN GERARDO HOSPITAL

Medicare Provider Number: 400116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	17	11.8	14.9	*	35.3	21.7	*	41.2	27.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	3	66.7	25.5	*	66.7	33.7	*	100.0	39.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	12.4	*	0.0	16.0	*	0.0	19.3	*
Hip Fracture	0									
Sepsis	1	0.0	42.2	*	100.0	53.0	*	100.0	61.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	28	21.4	11.8	*	32.1	18.3	*	32.1	23.8	*
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	49.0	*	0.0	56.0	*	0.0	62.9	*
Congestive Heart Failure	0									
Pneumonia/Influenza	2	50.0	12.3	*	50.0	16.6	*	50.0	20.1	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	100.0	1.7	*	100.0	3.9	*	100.0	6.2	*
Stroke	1	0.0	23.7	*	100.0	30.7	*	100.0	36.2	*
Hip Fracture	1	0.0	6.2	*	0.0	11.8	*	0.0	16.2	*
Sepsis	1	100.0	36.7	*	100.0	45.0	*	100.0	52.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN GERMAN HEALTH CENTER

Javilla St
San German, PR 00753

Medicare Provider Number: 400038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	72	4.2	6.3	4.0	11.1	10.4	5.1	13.9	14.1	4.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	4	0.0	13.1	*	0.0	20.3	*	25.0	26.7	*
Pneumonia/Influenza	10	10.0	17.2	*	20.0	22.9	*	30.0	27.3	*
Chronic Obstructive Pulmonary Disease	1	0.0	8.5	*	0.0	13.5	*	0.0	18.2	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds	42
Ownership/Control	State Government

STAFFING:

Medical Residents/Interns	0
Registered Nurses	29
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

** Not used in calculating hospital mortality rates.

SAN GERMAN HEALTH CENTER

Medicare Provider Number: 400038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	67	10.4	9.7	4.7	19.4	15.1	5.9	20.9	19.4	5.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	0.0	16.4	*	0.0	25.5	*	33.3	32.7	*
Pneumonia/Influenza	6	16.7	16.0	*	16.7	20.8	*	16.7	24.7	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	3	100.0	48.4	*	100.0	55.1	*	100.0	62.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	47	2.1	8.4	*	8.5	13.1	*	12.8	16.9	*
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	23.6	*	0.0	27.5	*	0.0	31.9	*
Congestive Heart Failure	4	0.0	10.8	*	0.0	16.3	*	0.0	21.3	*
Pneumonia/Influenza	9	0.0	14.8	*	22.2	20.1	*	22.2	24.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN JORGE HOSPITAL

258 San Jorge Avenue
Santurce, PR 00912

Medicare Provider Number: 400089

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	458	10.0	7.7	2.2	13.8	11.8	2.5	16.6	15.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	10	60.0	21.3	*	60.0	24.2	*	60.0	27.3	*
Congestive Heart Failure	27	22.2	16.6	*	33.3	25.7	*	37.0	32.9	*
Pneumonia/Influenza	22	36.4	18.6	*	36.4	25.0	*	36.4	29.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	5.3	*	0.0	9.5	*	0.0	13.1	*
Transient Cerebral Ischemia	10	0.0	1.3	*	0.0	2.8	*	0.0	4.5	*
Stroke	12	8.3	14.1	*	8.3	20.0	*	16.7	24.0	*
Hip Fracture	1	0.0	3.5	*	0.0	5.9	*	0.0	7.6	*
Sepsis	5	40.0	34.6	*	60.0	40.3	*	60.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	8.3	0.6	*	8.3	1.6	*	8.3	2.8	*
Cholecystectomy	14	7.1	3.3	*	7.1	5.6	*	7.1	6.7	*
Hysterectomy	9	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 91
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 4
Registered Nurses 54
Licensed Practical Nurses 3

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SAN JORGE HOSPITAL

Medicare Provider Number: 400089

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	546	8.6	7.3	1.4	11.5	11.2	1.4	13.0	14.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	8	37.5	29.8	*	50.0	32.3	*	50.0	35.3	*
Congestive Heart Failure	26	15.4	17.2	*	15.4	26.1	*	19.2	33.3	*
Pneumonia/Influenza	28	25.0	16.4	*	32.1	21.9	*	32.1	26.2	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.1	*	0.0	11.0	*	0.0	15.3	*
Transient Cerebral Ischemia	8	0.0	2.1	*	0.0	4.6	*	12.5	7.3	*
Stroke	29	24.1	19.5	*	31.0	25.6	*	31.0	29.8	*
Hip Fracture	2	50.0	10.2	*	50.0	18.4	*	50.0	22.8	*
Sepsis	1	0.0	17.3	*	0.0	22.6	*	0.0	26.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.3	*	0.0	8.9	*	0.0	12.0	*
Open Reduction of Hip Fracture	1	100.0	13.6	*	100.0	25.1	*	100.0	31.3	*
Prostatectomy	16	6.3	0.8	*	6.3	2.1	*	6.3	3.7	*
Cholecystectomy	14	7.1	2.5	*	7.1	3.8	*	7.1	4.6	*
Hysterectomy	12	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	575	7.0	5.5	1.5	11.0	8.9	1.6	12.7	11.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	14.5	*	25.0	17.1	*	25.0	19.7	*
Congestive Heart Failure	14	21.4	18.2	*	28.6	27.4	*	28.6	34.6	*
Pneumonia/Influenza	31	16.1	15.1	*	19.4	20.1	*	25.8	24.0	*
Chronic Obstructive Pulmonary Disease	4	0.0	12.3	*	0.0	19.0	*	0.0	24.0	*
Transient Cerebral Ischemia	8	0.0	1.6	*	12.5	3.5	*	25.0	5.7	*
Stroke	23	13.0	14.2	*	13.0	20.7	*	13.0	24.9	*
Hip Fracture	9	0.0	4.3	*	11.1	8.0	*	11.1	10.6	*
Sepsis	1	100.0	50.5	*	100.0	58.7	*	100.0	67.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	3.4	*	0.0	7.1	*	0.0	9.7	*
Open Reduction of Hip Fracture	5	0.0	4.5	*	20.0	8.6	*	20.0	11.4	*
Prostatectomy	15	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	15	0.0	1.0	*	6.7	1.7	*	6.7	2.3	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN JUAN MUNICIPAL HOSPITAL

Centro Medico
Rio Piedras, PR 00935

Medicare Provider Number: 400015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,202	20.8	9.7	2.5	26.5	14.1	2.4	30.1	17.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	53	35.8	27.6	7.5	47.2	30.8	11.1	47.2	34.3	11.2
Congestive Heart Failure	38	28.9	9.7	*	36.8	15.5	*	44.7	20.7	*
Pneumonia/Influenza	72	40.3	16.9	5.7	51.4	22.6	5.5	55.6	27.0	6.1
Chronic Obstructive Pulmonary Disease	1	0.0	3.8	*	0.0	7.3	*	0.0	10.6	*
Transient Cerebral Ischemia	9	22.2	1.5	*	22.2	3.3	*	22.2	5.2	*
Stroke	39	59.0	20.0	*	66.7	26.2	*	66.7	30.4	*
Hip Fracture	33	15.2	5.3	*	21.2	9.6	*	21.2	12.6	*
Sepsis	22	86.4	31.9	*	90.9	39.1	*	90.9	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.5	*	0.0	7.0	*	33.3	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	18.2	5.4	*	27.3	9.9	*	27.3	12.9	*
Open Reduction of Hip Fracture	16	18.8	4.8	*	25.0	9.3	*	25.0	12.4	*
Prostatectomy	27	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
Cholecystectomy	11	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	19	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 550
Ownership/Control ..... Local Government

STAFFING:

Medical Residents/Interns 160
Registered Nurses 314
Licensed Practical Nurses 238

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

SAN JUAN MUNICIPAL HOSPITAL

Medicare Provider Number: 400015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,423	19.1	10.0	2.2	24.9	14.1	2.5	28.7	17.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	77	35.1	28.5	5.7	42.9	32.2	6.9	50.6	36.0	8.0
Congestive Heart Failure	50	12.0	10.5	*	26.0	16.5	*	34.0	21.9	*
Pneumonia/Influenza	50	42.0	18.5	*	60.0	24.6	*	64.0	29.2	*
Chronic Obstructive Pulmonary Disease	7	28.6	7.5	*	42.9	13.2	*	42.9	18.0	*
Transient Cerebral Ischemia	11	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	63	39.7	21.8	7.2	42.9	28.1	7.2	49.2	32.4	7.6
Hip Fracture	29	17.2	6.0	*	27.6	11.2	*	27.6	14.5	*
Sepsis	28	53.6	31.2	*	60.7	37.9	*	60.7	44.1	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	61.5	16.9	*	61.5	21.6	*	61.5	25.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	5.9	*	14.3	10.7	*	14.3	13.6	*
Open Reduction of Hip Fracture	14	14.3	5.3	*	28.6	10.4	*	28.6	14.0	*
Prostatectomy	32	0.0	0.8	*	3.1	1.7	*	3.1	2.7	*
Cholecystectomy	25	4.0	1.6	*	8.0	3.0	*	8.0	4.2	*
Hysterectomy	20	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,188	20.4	12.2	3.4	25.8	16.6	2.1	30.1	20.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	27.8	*	32.4	31.1	*	32.4	34.3	*
Congestive Heart Failure	43	37.2	16.1	*	39.5	23.6	*	51.2	30.0	*
Pneumonia/Influenza	37	37.8	17.2	*	48.6	22.7	*	51.4	26.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	11.7	*	10.0	20.8	*	10.0	27.8	*
Transient Cerebral Ischemia	8	12.5	2.2	*	12.5	4.9	*	25.0	8.0	*
Stroke	46	45.7	22.2	*	50.0	28.7	*	52.2	33.0	*
Hip Fracture	22	9.1	5.2	*	18.2	9.2	*	22.7	12.1	*
Sepsis	31	96.8	37.6	*	100.0	43.5	*	100.0	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.0	*	18.2	6.7	*	18.2	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	5.6	*	22.2	9.0	*	33.3	11.6	*
Open Reduction of Hip Fracture	11	9.1	4.6	*	9.1	9.0	*	9.1	12.1	*
Prostatectomy	18	0.0	1.0	*	0.0	2.4	*	5.6	4.2	*
Cholecystectomy	20	5.0	5.3	*	15.0	7.9	*	15.0	9.6	*
Hysterectomy	13	7.7	2.8	*	7.7	4.7	*	15.4	6.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SAN PABLO HOSPITAL

70 Santa Cruz St Urb Santa Cruz
Bayamon, PR 00619

Medicare Provider Number: 400109

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,980	8.1	7.4	1.1	11.8	11.5	0.9	14.0	14.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	73	30.1	30.8	6.2	34.2	34.0	5.6	34.2	37.3	6.9
Congestive Heart Failure	173	14.5	14.1	2.7	19.1	21.8	3.6	22.0	28.3	4.8
Pneumonia/Influenza	109	26.6	16.8	5.4	34.9	22.3	6.4	36.7	26.6	5.9
Chronic Obstructive Pulmonary Disease	5	20.0	8.0	*	20.0	13.3	*	20.0	18.3	*
Transient Cerebral Ischemia	14	0.0	1.8	*	0.0	3.9	*	0.0	6.2	*
Stroke	77	18.2	21.2	7.3	27.3	28.3	5.7	33.8	32.9	5.4
Hip Fracture	50	8.0	7.6	*	12.0	13.0	*	16.0	16.5	*
Sepsis	13	76.9	39.7	*	92.3	47.9	*	100.0	53.7	*
PROCEDURES:										
Angioplasty	35	2.9	2.0	*	2.9	2.6	*	2.9	3.4	*
Coronary Artery Bypass Graft	90	3.3	4.5	2.7	6.7	6.3	2.9	6.7	7.5	2.8
Initial Pacemaker Insertion	27	3.7	2.8	*	3.7	5.0	*	3.7	7.1	*
Carotid Endarterectomy	4	25.0	1.3	*	25.0	2.4	*	25.0	3.3	*
Hip Replacement/Reconstruction	27	3.7	6.0	*	3.7	10.6	*	3.7	13.6	*
Open Reduction of Hip Fracture	16	12.5	6.8	*	18.8	12.2	*	25.0	15.5	*
Prostatectomy	138	0.0	0.6	0.8	0.7	1.4	1.3	1.4	2.4	1.9
Cholecystectomy	101	2.0	2.2	1.5	3.0	4.0	2.3	4.0	5.3	3.1
Hysterectomy	32	0.0	0.2	*	0.0	0.3	*	3.1	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 330
Ownership/Control ..... Private, For Profit

STAFFING:

Medical Residents/Interns 14
Registered Nurses 27
Licensed Practical Nurses 154

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... Yes
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SAN PABLO HOSPITAL

Medicare Provider Number: 400109

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,695	8.6	8.6	0.8	12.7	13.0	0.7	15.3	16.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	84	27.4	30.4	6.1	27.4	33.4	6.8	28.6	36.8	8.1
Congestive Heart Failure	151	19.2	16.7	4.0	27.8	25.2	5.0	32.5	32.3	3.8
Pneumonia/Influenza	101	17.8	17.4	3.9	24.8	23.2	4.8	27.7	27.7	4.6
Chronic Obstructive Pulmonary Disease	63	6.3	6.9	3.3	11.1	12.5	5.0	14.3	17.2	7.4
Transient Cerebral Ischemia	20	10.0	2.0	*	10.0	4.1	*	10.0	6.4	*
Stroke	82	18.3	21.6	6.7	28.0	28.6	7.8	32.9	33.4	5.3
Hip Fracture	36	11.1	6.3	*	16.7	11.5	*	19.4	14.9	*
Sepsis	24	25.0	31.7	*	37.5	37.9	*	50.0	43.8	*
PROCEDURE:										
Angioplasty	1	0.0	13.9	*	0.0	15.8	*	0.0	18.4	*
Coronary Artery Bypass Graft	4	25.0	3.4	*	25.0	4.6	*	25.0	5.3	*
Initial Pacemaker Insertion	4	0.0	2.5	*	0.0	4.3	*	0.0	6.2	*
Carotid Endarterectomy	1	0.0	2.6	*	0.0	6.6	*	0.0	10.7	*
Hip Replacement/Reconstruction	10	0.0	3.5	*	0.0	6.5	*	0.0	8.6	*
Open Reduction of Hip Fracture	3	0.0	6.1	*	0.0	11.1	*	0.0	14.2	*
Prostatectomy	144	0.0	1.1	1.2	0.0	2.0	1.8	0.7	3.2	2.0
Cholecystectomy	84	4.8	2.5	2.2	6.0	4.5	4.0	9.5	5.9	4.1
Hysterectomy	23	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

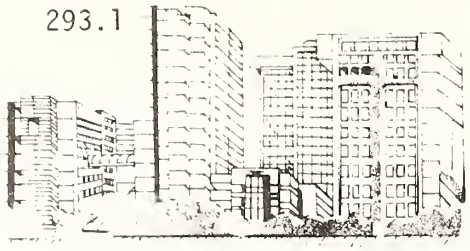
*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,471	9.2	8.7	1.1	13.1	13.2	0.9	15.6	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	64	31.3	31.3	5.9	32.8	34.8	6.4	35.9	38.5	6.8
Congestive Heart Failure	146	16.4	17.3	3.3	24.0	25.7	5.8	27.4	32.7	7.8
Pneumonia/Influenza	59	16.9	18.6	5.5	25.4	24.7	5.7	28.8	29.5	6.1
Chronic Obstructive Pulmonary Disease	94	4.3	11.4	4.3	10.6	18.9	5.6	13.8	24.5	6.4
Transient Cerebral Ischemia	49	14.3	2.2	*	16.3	4.9	*	22.4	8.0	*
Stroke	39	20.5	23.3	*	20.5	29.5	*	25.6	33.8	*
Hip Fracture	22	4.5	5.9	*	13.6	10.6	*	13.6	13.8	*
Sepsis	16	56.3	36.0	*	68.8	41.6	*	87.5	47.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	3.3	5.0	*	10.0	9.7	*	10.0	13.4	*
Carotid Endarterectomy	1	0.0	1.9	*	0.0	3.8	*	0.0	5.7	*
Hip Replacement/Reconstruction	8	12.5	4.8	*	12.5	8.4	*	12.5	10.7	*
Open Reduction of Hip Fracture	3	0.0	3.3	*	0.0	6.3	*	0.0	8.5	*
Prostatectomy	143	0.0	0.7	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	75	2.7	1.8	1.7	4.0	3.2	3.8	8.0	4.3	5.0
Hysterectomy	26	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

293.1



CENTRO MEDICO SAN PABLO

HCFA MORTALITY REPORT FY 1988-1989

San Pablo Medical Center is a progressive 330 bed Institution with a strong commitment to quality of services through a comprehensive program of quality assurance. The hospital mortality rates published by HCFA for FY 1988-1989 were reviewed searching for diagnostic categories that could reveal a significant difference from predicted rates as established by HCFA analysis.

During FY 1988-1989, there were no mortality rates in any disease category that fell above the predicted mortality ranges as defined by the HCFA statistical model. However, records were reviewed in disease categories where mortality rates approached the upper limits of the expected mortality range or when observed mortality rates were elevated as compared with predicted rates in those disease categories where the number of cases were too few for any valid conclusions. Specific patient records were reviewed by medical specialists and subspecialists according to the type of disease category under study, with emphasis on the following factors:

1) Age
2) Principal diagnosis
3) Secondary diagnosis and co-morbidities
4) Procedures performed
5) Appropriateness of the principal diagnosis
6) Correlation between the principal diagnosis and the cause of the patient's death
7) Evidence of substandard medical care
8) Length of hospital stay
9) Perceived patterns of higher than expected mortality
10) Prior hospitalizations

For each of two diagnostic categories, COPD and carotid endarterectomies, a single mortality within 30 days was reported making any statistical evaluation invalid. However, peer physician review did not reveal any deviation of acceptable medical care in the management of both patients. In the single COPD case, a 88 y/o male, significant co-morbidities were present, including congestive heart failure and bronchopneumonia. In the single carotid endarterectomy case, a 75 y/o male patient, congestive heart failure and diabetes mellitus were contributory factors in the patient's demise.

An observed 12.5% mortality rate was observed in 16 cases of open reduction of hip fracture at 30 days, rising to 25% at 180 days. Of the four mortalities reported (two males and two females), two died after discharge from the hospital of unknown causes, and two died while hospitalized of cardiovascular complications. The average patient age in this mortality group was 87.5%, significantly above the reported life

P.O. Box 236, Bayamón, Puerto Rico 00621/6036 (809)740-4747

expectancy of our population, currently at 74 yrs. for females and 72 yrs. for males. All patients had at least four significant co-morbidities including congestive heart failure, respiratory insufficiency, cor pulmonale, anemia, carcinoma, and bronchopneumonia. Peer physician review documented no cases of substandard medical care in this patient population.

Under the diagnostic category of sepsis thirteen (13) cases were reviewed due to the observed elevation in mortality rates, although the small sample precluded any statistically correct inferences. The average patient age was 77.4 yrs, again above the current life expectancy of our population. Most patients had major associated conditions such as cancer (38%), congestive heart failure (46%), renal failure (23%) and diabetes (33%). The average hospital length of stay for this group was 12 days, which given our current DRG assigned average LOS of 7.6 days suggests the severity of the patient's clinical condition and co-morbidities. Of the 13 cases reviewed, 8 (61%) died in the hospital and 5 (38%) died an average of 48 days after discharge of unknown causes. Peer physician review failed to detect substandard medical care in this group.

A disease category that fell in the upper range of predicted mortality was bronchopneumonia (BKP), either lobar, unilateral or bilateral. The average age of this population was 81 yrs. old, again significantly above our current population life expectancy. An overwhelming 88% of BKP patients had at least three significant co-morbidities including CHF (41%), cancer (27%), COPD (27%), diabetes mellitus (22%), clinical sepsis (20%), Parkinson's or Alzheimer's disease (20%), and acute renal failure (14%). Due to the severity of their respiratory insufficiency, eight patients (average age 79 yrs.) required mechanical ventilation and all died during their hospital stay. Average LOS was 8.9, and 39% of cases died an average of 30 days after discharge, most of unknown causes. Our physician reviewers found only one case of suboptimal care due to failure to diagnose pulmonary embolism representing 1.8% of all mortality cases studied. This case will be referred to the departmental chairman for further revision.

Due to the particular socioeconomic and demographic characteristics of our island patient population, many of our Medicare patients arrive or are referred to our Institution with advanced medical conditions and most with associated chronic and debilitating illnesses. As a tertiary level care Institution, San Pablo Medical Center strives to maintain high quality standards in the delivery of medical services to our Medicare population in spite of these limitations. As an example, great progress has been achieved in the management of cardiovascular disease as documented by our own excellent data and additionally reflected in this Medicare Mortality Report. However, continued improvement in mortality rates can also be achieved through a comprehensive community wide effort that addresses the diverse and pressing needs of our elderly population, both prior to, and after hospital care is required.

Dr. José R. Guzmán Virella
Deputy Medical Director

Mr. Jorge De Jesús
Executive Administrator

SANTA ROSA CLINIC

P O Box 988
Guayama, PR 00654

Medicare Provider Number: 400009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	762	7.7	8.6	1.6	10.8	12.7	1.7	12.6	16.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	40	30.0	29.9	*	37.5	33.3	*	37.5	37.0	*
Congestive Heart Failure	28	7.1	15.8	*	17.9	24.3	*	28.6	31.5	*
Pneumonia/Influenza	33	9.1	16.3	*	12.1	22.3	*	15.2	26.7	*
Chronic Obstructive Pulmonary Disease	30	0.0	5.2	*	0.0	10.6	*	0.0	15.7	*
Transient Cerebral Ischemia	19	0.0	1.6	*	0.0	3.4	*	0.0	5.3	*
Stroke	37	35.1	21.6	*	37.8	27.6	*	48.6	32.2	*
Hip Fracture	0									
Sepsis	6	16.7	25.2	*	16.7	31.1	*	33.3	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	26	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	10	0.0	2.4	*	0.0	3.4	*	0.0	4.0	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 99
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 0
Registered Nurses 37
Licensed Practical Nurses 18

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SANTA ROSA CLINIC

Medicare Provider Number: 400009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	790	7.7	8.4	1.3	10.3	12.5	1.5	12.0	15.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	21	42.9	28.4	*	47.6	31.5	*	47.6	34.8	*
Congestive Heart Failure	32	9.4	17.9	*	15.6	27.0	*	21.9	34.3	*
Pneumonia/Influenza	60	16.7	16.4	4.8	16.7	21.8	6.9	21.7	25.9	6.9
Chronic Obstructive Pulmonary Disease	29	3.4	10.9	*	6.9	19.1	*	6.9	25.3	*
Transient Cerebral Ischemia	8	12.5	2.2	*	37.5	4.7	*	37.5	7.2	*
Stroke	20	25.0	25.8	*	35.0	31.1	*	35.0	35.4	*
Hip Fracture	0									
Sepsis	5	20.0	25.8	*	20.0	31.4	*	20.0	36.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	20	0.0	1.0	*	0.0	2.3	*	5.0	3.8	*
Cholecystectomy	8	0.0	3.8	*	0.0	5.9	*	0.0	7.1	*
Hysterectomy	5	20.0	0.3	*	20.0	0.5	*	20.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	888	5.1	7.3	1.2	8.3	11.3	1.3	11.0	14.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	16	43.8	32.9	*	43.8	37.8	*	43.8	42.0	*
Congestive Heart Failure	32	9.4	19.3	*	21.9	29.0	*	28.1	36.7	*
Pneumonia/Influenza	35	8.6	16.0	*	11.4	21.7	*	14.3	26.1	*
Chronic Obstructive Pulmonary Disease	42	7.1	13.1	*	9.5	21.5	*	11.9	27.7	*
Transient Cerebral Ischemia	15	0.0	2.0	*	6.7	4.4	*	13.3	7.0	*
Stroke	21	28.6	25.4	*	33.3	32.2	*	33.3	37.3	*
Hip Fracture	0									
Sepsis	2	0.0	18.3	*	0.0	26.4	*	50.0	32.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	13	0.0	0.8	*	7.7	1.6	*	7.7	2.7	*
Cholecystectomy	9	0.0	1.9	*	0.0	3.5	*	0.0	4.7	*
Hysterectomy	7	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SANTO ASILO DE DAMAS HOSPITAL

Ponce By Pass
Ponce, PR 00731

Medicare Provider Number: 400022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,542	9.7	9.7	0.6	14.8	14.8	0.7	17.9	18.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	91	28.6	28.6	4.7	34.1	31.8	5.6	35.2	35.1	5.0
Congestive Heart Failure	102	9.8	14.3	4.8	13.7	22.4	7.0	19.6	29.3	8.1
Pneumonia/Influenza	88	25.0	18.2	6.5	29.5	24.6	6.9	31.8	29.3	5.9
Chronic Obstructive Pulmonary Disease	30	16.7	7.3	*	23.3	13.9	*	23.3	19.7	*
Transient Cerebral Ischemia	40	0.0	1.5	*	0.0	3.2	*	5.0	5.0	*
Stroke	112	22.3	19.3	4.7	32.1	26.2	5.1	38.4	30.6	6.3
Hip Fracture	44	9.1	8.1	*	11.4	14.1	*	18.2	17.8	*
Sepsis	47	36.2	28.8	*	48.9	36.4	*	53.2	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	3.3	*	4.5	5.9	*	4.5	8.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.8	*	0.0	10.5	*	0.0	13.6	*
Open Reduction of Hip Fracture	24	8.3	7.9	*	8.3	14.3	*	12.5	18.3	*
Prostatectomy	106	3.8	1.1	2.3	3.8	2.6	2.4	4.7	4.3	3.1
Cholecystectomy	47	0.0	1.8	*	2.1	3.0	*	2.1	4.0	*
Hysterectomy	19	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 306
Ownership/Control ..... Private, Non-Profit

STAFFING:

Medical Residents/Interns 45
Registered Nurses 188
Licensed Practical Nurses 77

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

SANTO ASILO DE DAMAS HOSPITAL

Medicare Provider Number: 400022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,373	8.8	9.6	0.8	13.0	14.7	1.0	16.1	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	89	22.5	28.4	7.6	28.1	32.0	8.7	29.2	35.6	8.3
Congestive Heart Failure	92	14.1	16.6	4.7	25.0	24.9	5.1	32.6	31.8	6.1
Pneumonia/Influenza	68	20.6	17.2	5.2	27.9	23.0	7.0	29.4	27.4	7.7
Chronic Obstructive Pulmonary Disease	35	11.4	6.7	*	11.4	12.2	*	11.4	17.1	*
Transient Cerebral Ischemia	33	3.0	1.7	*	6.1	3.7	*	6.1	5.7	*
Stroke	123	21.1	22.6	3.9	28.5	29.2	4.5	28.5	33.6	5.6
Hip Fracture	44	13.6	6.5	*	18.2	11.7	*	22.7	15.1	*
Sepsis	31	29.0	30.5	*	35.5	37.0	*	38.7	43.0	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	21.4	8.9	*	21.4	13.1	*	21.4	16.8	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	13	0.0	5.4	*	0.0	10.3	*	0.0	13.7	*
Open Reduction of Hip Fracture	10	10.0	5.1	*	10.0	10.0	*	20.0	13.5	*
Prostatectomy	117	2.6	1.3	1.5	4.3	3.0	2.1	5.1	4.7	2.3
Cholecystectomy	61	0.0	2.9	3.4	1.6	5.2	4.3	4.9	6.9	4.4
Hysterectomy	19	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,885	8.2	8.6	0.8	12.3	13.3	0.9	15.4	17.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	68	25.0	29.3	6.0	29.4	32.6	5.9	29.4	36.0	7.6
Congestive Heart Failure	85	12.9	16.1	6.3	22.4	24.0	6.6	25.9	30.6	9.4
Pneumonia/Influenza	38	28.9	17.6	*	34.2	23.2	*	36.8	27.4	*
Chronic Obstructive Pulmonary Disease	45	4.4	7.8	*	8.9	13.9	*	17.8	18.9	*
Transient Cerebral Ischemia	42	0.0	1.6	*	0.0	3.6	*	4.8	5.7	*
Stroke	93	19.4	22.0	6.1	24.7	28.6	7.1	29.0	33.0	8.3
Hip Fracture	36	2.8	5.3	*	5.6	9.7	*	8.3	12.8	*
Sepsis	12	41.7	26.6	*	41.7	33.2	*	41.7	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	4.3	*	17.6	9.3	*	23.5	14.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	5.1	*	20.0	9.7	*	20.0	12.9	*
Open Reduction of Hip Fracture	5	0.0	3.9	*	0.0	7.6	*	0.0	10.3	*
Prostatectomy	68	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	45	2.2	2.5	*	6.7	4.4	*	6.7	5.7	*
Hysterectomy	17	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST LUKES EPISCOPAL HOSPITAL

P O Box 2027 Ponce
Ponce, PR 00731

Medicare Provider Number: 400002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,756	8.9	7.6	0.7	11.9	11.3	0.8	14.1	14.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	61	41.0	26.1	8.9	44.3	29.7	8.8	44.3	33.0	8.3
Congestive Heart Failure	128	7.8	13.6	4.3	12.5	21.2	5.7	18.8	27.5	5.9
Pneumonia/Influenza	75	33.3	18.4	6.6	34.7	24.8	6.1	34.7	29.5	5.9
Chronic Obstructive Pulmonary Disease	25	0.0	4.8	*	0.0	10.1	*	0.0	14.9	*
Transient Cerebral Ischemia	32	0.0	2.2	*	3.1	5.0	*	3.1	8.0	*
Stroke	54	27.8	21.1	9.8	31.5	27.2	10.5	31.5	31.3	11.0
Hip Fracture	11	18.2	5.4	*	27.3	9.4	*	27.3	12.1	*
Sepsis	10	10.0	29.7	*	20.0	35.7	*	30.0	41.7	*
PROCEDURES:										
Angioplasty	14	0.0	2.5	*	0.0	3.1	*	0.0	3.8	*
Coronary Artery Bypass Graft	36	5.6	3.9	*	5.6	5.3	*	5.6	6.2	*
Initial Pacemaker Insertion	58	3.4	3.5	4.8	8.6	6.8	5.4	12.1	9.6	5.6
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	8	0.0	4.1	*	12.5	7.4	*	12.5	9.7	*
Open Reduction of Hip Fracture	1	0.0	9.8	*	0.0	17.1	*	0.0	21.2	*
Prostatectomy	117	1.7	1.0	1.2	1.7	2.4	1.6	2.6	4.0	2.2
Cholecystectomy	24	0.0	1.4	*	0.0	2.5	*	0.0	3.4	*
Hysterectomy	8	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds 160
Ownership/Control ..... Church

STAFFING:

Medical Residents/Interns 3
Registered Nurses 81
Licensed Practical Nurses 62

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ST LUKES EPISCOPAL HOSPITAL

Medicare Provider Number: 400002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,813	9.5	7.1	0.9	12.8	10.6	1.0	14.9	13.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	69	36.2	23.5	7.6	37.7	27.0	7.8	40.6	30.3	8.5
Congestive Heart Failure	87	18.4	15.4	4.9	25.3	23.6	5.2	29.9	30.5	5.4
Pneumonia/Influenza	68	27.9	16.0	7.6	36.8	21.2	8.7	38.2	25.4	8.4
Chronic Obstructive Pulmonary Disease	36	0.0	4.1	*	0.0	8.1	*	8.3	11.6	*
Transient Cerebral Ischemia	35	0.0	1.9	*	0.0	4.1	*	5.7	6.4	*
Stroke	80	36.2	21.6	6.7	41.2	28.2	6.6	43.8	32.7	6.5
Hip Fracture	18	5.6	5.9	*	16.7	11.1	*	27.8	14.5	*
Sepsis	8	25.0	23.2	*	37.5	30.7	*	37.5	36.8	*
PROCEDURE:										
Angioplasty	20	15.0	1.2	*	15.0	1.7	*	15.0	2.4	*
Coronary Artery Bypass Graft	44	20.5	5.0	*	20.5	6.7	*	22.7	7.8	*
Initial Pacemaker Insertion	32	6.3	4.9	*	6.3	8.0	*	6.3	10.8	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*
Hip Replacement/Reconstruction	8	0.0	5.5	*	12.5	10.7	*	25.0	14.2	*
Open Reduction of Hip Fracture	9	11.1	5.2	*	22.2	10.4	*	22.2	14.1	*
Prostatectomy	116	0.9	0.8	1.0	1.7	1.9	1.6	2.6	3.2	1.9
Cholecystectomy	27	0.0	2.1	*	0.0	3.9	*	0.0	5.3	*
Hysterectomy	12	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,537	9.2	6.8	1.5	11.6	10.4	0.9	14.4	13.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	39	48.7	22.2	*	51.3	25.1	*	51.3	28.2	*
Congestive Heart Failure	88	18.2	15.6	4.8	26.1	23.9	4.9	29.5	30.8	5.3
Pneumonia/Influenza	45	22.2	16.4	*	22.2	21.5	*	26.7	25.6	*
Chronic Obstructive Pulmonary Disease	44	9.1	7.2	*	11.4	13.9	*	11.4	19.3	*
Transient Cerebral Ischemia	30	3.3	1.6	*	3.3	3.3	*	3.3	5.2	*
Stroke	62	21.0	20.6	5.6	25.8	27.9	6.2	33.9	32.5	6.0
Hip Fracture	13	15.4	4.9	*	30.8	9.9	*	30.8	13.9	*
Sepsis	4	75.0	34.5	*	75.0	46.1	*	75.0	52.7	*
PROCEDURES:										
Angioplasty	11	9.1	1.7	*	9.1	2.5	*	9.1	3.3	*
Coronary Artery Bypass Graft	20	15.0	5.0	*	15.0	6.6	*	15.0	7.5	*
Initial Pacemaker Insertion	30	0.0	3.3	*	6.7	6.0	*	6.7	8.2	*
Carotid Endarterectomy	1	100.0	1.1	*	100.0	2.0	*	100.0	2.9	*
Hip Replacement/Reconstruction	5	0.0	4.5	*	20.0	9.8	*	20.0	14.4	*
Open Reduction of Hip Fracture	5	20.0	4.6	*	20.0	9.6	*	20.0	13.6	*
Prostatectomy	77	0.0	0.9	1.3	0.0	2.3	2.5	3.9	3.9	2.9
Cholecystectomy	20	0.0	1.4	*	0.0	2.4	*	0.0	3.1	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	14.3	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY DISTRICT HOSPITAL

Barrio Monacillos
Rio Piedras, PR 00935

Medicare Provider Number: 400061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,146	14.2	9.7	1.8	20.0	14.6	1.5	23.2	18.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	19	52.6	28.1	*	57.9	30.3	*	57.9	33.1	*
Congestive Heart Failure	20	25.0	14.3	*	45.0	21.2	*	50.0	27.3	*
Pneumonia/Influenza	37	37.8	20.1	*	48.6	27.2	*	51.4	32.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	3.7	*	12.5	7.3	*	12.5	10.9	*
Transient Cerebral Ischemia	3	0.0	1.6	*	0.0	3.0	*	0.0	4.5	*
Stroke	21	66.7	35.2	*	76.2	40.1	*	76.2	44.5	*
Hip Fracture	48	12.5	6.8	*	20.8	12.0	*	25.0	15.4	*
Sepsis	6	83.3	44.1	*	100.0	62.4	*	100.0	70.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	29	6.9	4.3	*	10.3	6.0	*	10.3	6.9	*
Initial Pacemaker Insertion	30	13.3	5.0	*	26.7	8.1	*	30.0	10.8	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	22	9.1	4.9	*	9.1	9.6	*	13.6	13.0	*
Open Reduction of Hip Fracture	23	4.3	5.9	*	13.0	10.9	*	17.4	14.1	*
Prostatectomy	25	8.0	1.1	*	8.0	2.7	*	8.0	4.8	*
Cholecystectomy	13	15.4	1.7	*	15.4	2.7	*	15.4	3.4	*
Hysterectomy	31	0.0	0.8	*	0.0	1.4	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds 390
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 323
Registered Nurses 294
Licensed Practical Nurses 155

SPECIALTY SERVICES:

Burn Unit ..... Yes
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY DISTRICT HOSPITAL

Medicare Provider Number: 400061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,282	14.2	9.4	1.8	19.5	14.0	2.2	22.6	17.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	40.0	29.8	*	40.0	32.5	*	40.0	35.7	*
Congestive Heart Failure	28	32.1	16.8	*	46.4	24.5	*	53.6	31.4	*
Pneumonia/Influenza	22	31.8	17.9	*	40.9	24.0	*	54.5	28.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	3.0	*	0.0	6.1	*	0.0	8.8	*
Transient Cerebral Ischemia	3	0.0	1.9	*	0.0	3.3	*	0.0	4.9	*
Stroke	21	47.6	33.8	*	61.9	38.3	*	61.9	42.5	*
Hip Fracture	64	17.2	7.9	5.9	25.0	14.2	7.6	26.6	18.0	7.3
Sepsis	8	62.5	41.0	*	87.5	48.6	*	87.5	55.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	30	10.0	6.7	*	10.0	8.7	*	10.0	10.1	*
Initial Pacemaker Insertion	7	14.3	4.9	*	14.3	8.4	*	14.3	11.3	*
Carotid Endarterectomy	1	0.0	2.6	*	0.0	4.7	*	0.0	6.9	*
Hip Replacement/Reconstruction	20	10.0	6.6	*	10.0	13.4	*	15.0	18.3	*
Open Reduction of Hip Fracture	35	14.3	7.5	*	25.7	13.6	*	25.7	17.4	*
Prostatectomy	38	0.0	0.9	*	0.0	2.0	*	2.6	3.2	*
Cholecystectomy	17	5.9	3.3	*	5.9	5.5	*	5.9	7.1	*
Hysterectomy	31	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,103	14.4	9.8	2.2	19.9	14.6	1.3	24.7	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	24.4	*	44.4	27.0	*	50.0	29.9	*
Congestive Heart Failure	17	23.5	13.8	*	29.4	20.8	*	35.3	26.8	*
Pneumonia/Influenza	40	45.0	20.3	*	60.0	27.3	*	67.5	32.3	*
Chronic Obstructive Pulmonary Disease	8	50.0	9.8	*	50.0	16.0	*	62.5	20.7	*
Transient Cerebral Ischemia	2	0.0	1.1	*	0.0	1.8	*	0.0	2.5	*
Stroke	23	39.1	32.0	*	43.5	37.3	*	47.8	41.4	*
Hip Fracture	57	10.5	6.8	5.0	12.3	12.2	6.4	24.6	15.8	7.1
Sepsis	14	85.7	39.0	*	100.0	45.0	*	100.0	51.8	*
PROCEDURES:										
Angioplasty	1	100.0	0.9	*	100.0	1.4	*	100.0	2.1	*
Coronary Artery Bypass Graft	36	11.1	2.6	*	13.9	4.0	*	13.9	4.9	*
Initial Pacemaker Insertion	25	4.0	3.8	*	8.0	7.2	*	8.0	10.2	*
Carotid Endarterectomy	2	0.0	3.1	*	0.0	7.6	*	0.0	12.9	*
Hip Replacement/Reconstruction	10	10.0	2.2	*	10.0	4.0	*	20.0	5.2	*
Open Reduction of Hip Fracture	31	6.5	6.0	*	9.7	11.7	*	25.8	15.6	*
Prostatectomy	26	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	18	5.6	4.0	*	11.1	6.6	*	11.1	8.5	*
Hysterectomy	20	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

Virgin Islands

ST CROIX HOSPITAL & COMMUNITY HEALTH CTR

P O Box 520
Christiansted, VI 00820

Medicare Provider Number: 480002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	238	14.7	11.5	2.8	20.2	15.9	3.4	22.7	19.7	3.3
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	39.2	*	25.0	42.3	*	25.0	46.4	*
Congestive Heart Failure	23	13.0	18.1	*	30.4	26.7	*	34.8	33.8	*
Pneumonia/Influenza	5	60.0	23.4	*	60.0	33.0	*	60.0	39.1	*
Chronic Obstructive Pulmonary Disease	3	0.0	9.4	*	0.0	14.6	*	0.0	19.1	*
Transient Cerebral Ischemia	3	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*
Stroke	16	31.3	40.9	*	31.3	45.0	*	31.3	49.4	*
Hip Fracture	10	0.0	6.0	*	0.0	10.4	*	0.0	13.6	*
Sepsis	1	100.0	45.4	*	100.0	51.3	*	100.0	56.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.9	*	0.0	6.9	*	0.0	9.0	*
Open Reduction of Hip Fracture	2	0.0	6.1	*	0.0	10.9	*	0.0	14.5	*
Prostatectomy	9	0.0	1.3	*	0.0	3.4	*	11.1	6.0	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 160
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 64
Licensed Practical Nurses 40

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... No
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ST CROIX HOSPITAL & COMMUNITY HEALTH CTR

Medicare Provider Number: 480002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	279	12.5	11.9	2.0	22.2	16.7	2.8	28.3	20.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	7	28.6	39.7	*	42.9	43.3	*	57.1	47.1	*
Congestive Heart Failure	18	11.1	16.5	*	27.8	25.0	*	38.9	32.0	*
Pneumonia/Influenza	9	22.2	16.1	*	22.2	21.8	*	44.4	26.4	*
Chronic Obstructive Pulmonary Disease	2	50.0	10.7	*	50.0	15.8	*	50.0	20.4	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	4.1	*	12.5	6.4	*
Stroke	13	15.4	31.3	*	38.5	36.2	*	38.5	40.1	*
Hip Fracture	7	0.0	5.7	*	14.3	9.5	*	14.3	12.3	*
Sepsis	1	100.0	37.2	*	100.0	45.4	*	100.0	52.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.7	*	0.0	7.0	*	0.0	9.2	*
Open Reduction of Hip Fracture	2	0.0	7.8	*	0.0	12.7	*	0.0	16.1	*
Prostatectomy	19	0.0	1.2	*	0.0	3.0	*	5.3	5.0	*
Cholecystectomy	1	0.0	2.5	*	0.0	4.8	*	0.0	6.1	*
Hysterectomy	1	0.0	0.0	*	0.0	0.1	*	0.0	0.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	277	10.8	13.1	2.1	20.6	17.5	3.5	22.7	21.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	5	0.0	34.3	*	0.0	38.3	*	0.0	42.6	*
Congestive Heart Failure	24	20.8	18.0	*	41.7	27.0	*	54.2	34.3	*
Pneumonia/Influenza	8	25.0	13.9	*	25.0	18.3	*	25.0	22.2	*
Chronic Obstructive Pulmonary Disease	5	40.0	12.7	*	40.0	18.6	*	40.0	23.1	*
Transient Cerebral Ischemia	1	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Stroke	16	37.5	45.1	*	62.5	50.7	*	68.8	54.7	*
Hip Fracture	4	0.0	10.5	*	0.0	18.1	*	0.0	22.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	4.4	*	0.0	9.1	*	0.0	12.4	*
Open Reduction of Hip Fracture	1	0.0	6.0	*	0.0	11.1	*	0.0	15.0	*
Prostatectomy	12	0.0	1.9	*	0.0	4.6	*	0.0	7.6	*
Cholecystectomy	2	0.0	1.5	*	0.0	2.5	*	0.0	3.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST THOMAS HOSPITAL & COMM HEALTH CTR

P O Box 7309
Saint Thomas, VI 00801

Medicare Provider Number: 480001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	270	17.0	10.4	2.7	23.3	15.0	3.3	27.4	18.9	3.4
CONDITIONS:										
Acute Myocardial Infarction	17	41.2	31.1	*	47.1	34.0	*	47.1	37.8	*
Congestive Heart Failure	13	23.1	12.3	*	30.8	18.5	*	30.8	24.1	*
Pneumonia/Influenza	7	42.9	19.3	*	57.1	25.5	*	57.1	30.4	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.1	*	50.0	13.1	*	50.0	17.5	*
Transient Cerebral Ischemia	5	0.0	1.4	*	20.0	3.1	*	20.0	4.8	*
Stroke	12	50.0	18.8	*	66.7	24.2	*	66.7	28.4	*
Hip Fracture	5	0.0	4.0	*	0.0	7.2	*	0.0	9.5	*
Sepsis	5	60.0	20.2	*	60.0	25.8	*	60.0	29.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.6	*	0.0	6.5	*	0.0	8.6	*
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.9	*	0.0	2.3	*	0.0	4.0	*
Cholecystectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds 160
Ownership/Control ..... State Government

STAFFING:

Medical Residents/Interns 0
Registered Nurses 64
Licensed Practical Nurses 33

SPECIALTY SERVICES:

Burn Unit ..... No
Coronary Care Unit ..... Yes
Hospice ..... No
Intensive Care Unit ..... Yes
Organ Transplant ..... No
Rehabilitation ..... No
Shock Trauma ..... No

**** Not used in calculating hospital mortality rates.**

ST THOMAS HOSPITAL & COMM HEALTH CTR

Medicare Provider Number: 480001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	317	13.2	11.1	2.3	19.2	16.3	2.8	24.3	20.4	3.5
CONDITIONS:										
Acute Myocardial Infarction	13	38.5	32.6	*	53.8	35.7	*	53.8	39.5	*
Congestive Heart Failure	23	13.0	12.3	*	17.4	18.8	*	21.7	24.6	*
Pneumonia/Influenza	15	33.3	15.4	*	33.3	20.6	*	40.0	25.0	*
Chronic Obstructive Pulmonary Disease	3	0.0	10.4	*	33.3	17.1	*	33.3	22.7	*
Transient Cerebral Ischemia	1	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*
Stroke	11	36.4	21.6	*	36.4	27.5	*	36.4	31.9	*
Hip Fracture	6	16.7	7.2	*	16.7	12.7	*	33.3	16.1	*
Sepsis	6	33.3	35.3	*	66.7	41.3	*	83.3	47.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.8	*	0.0	7.2	*	50.0	9.4	*
Open Reduction of Hip Fracture	1	100.0	19.0	*	100.0	34.5	*	100.0	42.7	*
Prostatectomy	6	0.0	1.6	*	0.0	4.3	*	0.0	7.5	*
Cholecystectomy	2	0.0	14.6	*	0.0	25.6	*	50.0	32.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	367	13.1	10.1	2.9	18.8	14.7	3.6	21.3	18.3	3.2
CONDITIONS:										
Acute Myocardial Infarction	9	44.4	35.3	*	44.4	38.6	*	44.4	42.2	*
Congestive Heart Failure	21	9.5	15.4	*	23.8	23.2	*	28.6	29.8	*
Pneumonia/Influenza	4	50.0	20.0	*	50.0	26.4	*	75.0	31.5	*
Chronic Obstructive Pulmonary Disease	3	0.0	9.8	*	0.0	15.3	*	0.0	19.7	*
Transient Cerebral Ischemia	5	0.0	1.6	*	0.0	3.4	*	0.0	5.5	*
Stroke	16	37.5	26.2	*	56.3	32.6	*	56.3	37.1	*
Hip Fracture	8	0.0	3.7	*	0.0	6.7	*	0.0	8.9	*
Sepsis	2	100.0	23.9	*	100.0	35.6	*	100.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.6	*	0.0	6.7	*	0.0	8.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	0.7	*	0.0	1.8	*	0.0	3.2	*
Cholecystectomy	2	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hysterectomy	1	0.0	0.8	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a "9" in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of

an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases the area under the survival curve is restricted to an interval 0-t_1 where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0+\alpha_1 x_1+\ldots+\alpha_i x_i+\ldots+\alpha_k x_k)$$
$$\gamma = \exp(\gamma_0+\gamma_1 g_1+\ldots+\gamma_i x_i+\ldots+\gamma_k x_k)$$
$$\delta = \exp(\delta_0+\delta_1 x_1+\ldots+\delta_i x_i+\ldots+\delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1,2,..., k and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \to \infty$. The structural parameter is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha\exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p<0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2 , V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n} .$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ (\text{Observed mortality}) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2 .$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent (13.0 percent + 1.15 x 5.0 percent) if the observed rate is higher than the predicted, or between 7.3 percent (13.0 percent - 1.15 x 5.0 percent) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4.	Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5.	Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6.	Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7.	Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7.	Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8.	Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9.	Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9

Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$AGESP = \text{sign}(W-65)\left(\left|\frac{W-65}{65}\right|\right)^{1.72}$$

where

$$W = \begin{cases} 23 \text{ if } AGE \leq 23 \\ AGE \text{ if } 23 < AGE < 100 \\ 100 \text{ if } 100 \leq AGE \end{cases}$$

SX An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

		ICD-9-CM Codes
CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate.)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p n	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

*U.S. GOVERNMENT PRINTING OFFICE: 1991-291-087

CMS LIBRARY
3 8095 00015476 1

HCFA Pub. No. 00721